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FILE LAST UPDATED: 20 Jun 2007 (20070620/ED)

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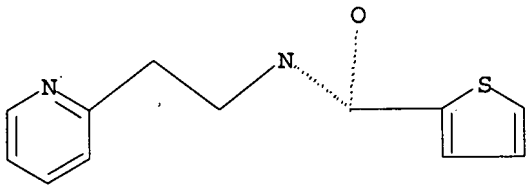
L4 STR



Structure attributes must be viewed using STN Express query preparation.
L6 38 SEA FILE=REGISTRY SSS FUL L4
L7 14 SEA FILE=CAPLUS L6

=> d l7 1-14 ibib abs hitstr

L7 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:198437 CAPLUS
DOCUMENT NUMBER: 146:274209
TITLE: Novel high affinity thiophene-based and furan-based kinase ligands and their preparation, pharmaceutical compositions and use in the treatment of CDK-2 mediated diseases
INVENTOR(S): Deng, Yongqi; Zhao, Lianyun; Shipps, Gerald W., Jr.; Curran, Patrick J.; Siddiqui, M. Arshad; Zhang, Rumin; McNemar, Charles W.; Mayhood, Todd W.; Windsor, William T.; Lees, Emma M.; Parry, David A.
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 127pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007022258	A1	20070222	WO 2006-US31973	20060816
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 2007043045	A1	20070222	US 2006-505263	20060816
PRIORITY APPLN. INFO.:			US 2005-709143P	P 20050817
OTHER SOURCE(S):	MARPAT 146:274209			

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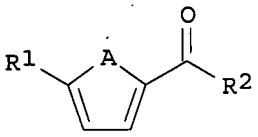

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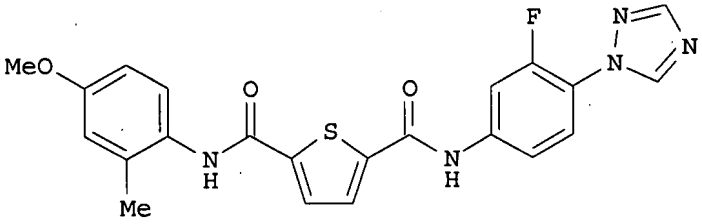


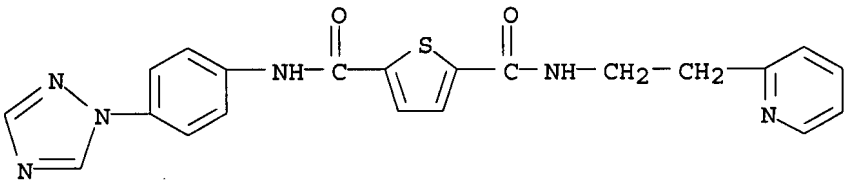
II

AB Compds. of formula I as inhibitors of cyclin dependent kinase 2, compns. including the inhibitors, and methods of using the inhibitors and inhibitor compns. are described. Compds. of formula I wherein A is O and S; R1 is CONH2 and derivs., NHCHO, and NH-acyl; R2 is (un)substituted arylamino, (un)substituted pyrrolidino, and (un)substituted piperidino; and their pharmaceutically acceptable salts, solvates, and esters thereof are claimed. The inhibitors and compns. including them are useful for treating disease or disease symptoms . Said inhibitors are furane or thiophene derivs. The invention also provides for methods of making CDK-2 inhibitor compds., methods of inhibiting CDK-2, and methods for treating disease or disease symptoms. Example compound II was prepared by amidation of 5-[(4-methoxy-2-methylphenyl)aminocarbonyl]thiophene-2-carboxylic acid with 4-[1,2,4-triazol-1-yl]-3-fluoroaniline. All the invention compds. were evaluated for their CDK-2 inhibitory activity (data given).

IT 927196-55-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of high affinity thiophene-based and furan-based kinase ligands and their use in the treatment of CDK-2 mediated diseases)

RN 927196-55-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

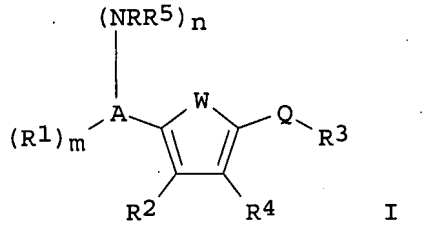


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:1103772 CAPLUS
DOCUMENT NUMBER: 143:386909
TITLE: Substituted thiophene derivatives as anti-cancer agents, and their preparation, pharmaceutical compositions, and use as inhibitors of PKB/Akt, PKA, and CDC7.
INVENTOR(S): Lin, Xiaodong; Rico, Alice; Zhou, Yasheen; Jefferson, Ann B.; Walter, Annette
PATENT ASSIGNEE(S): Chiron Corporation, USA; Wang, Xiaojing Michael
SOURCE: PCT Int. Appl., 245 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095386	A1	20051013	WO 2005-US10690	20050330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005228899	A1	20051013	AU 2005-228899	20050330
CA 2561977	A1	20051013	CA 2005-2561977	20050330
US 2005256121	A1	20051117	US 2005-95993	20050330
EP 1732919	A1	20061220	EP 2005-760186	20050330
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
IN 2006KN02980	A	20070608	IN 2006-KN2980	20061016
PRIORITY APPLN. INFO.:			US 2004-558342P P	20040330
			WO 2005-US10690 W	20050330

OTHER SOURCE(S): MARPAT 143:386909
GI



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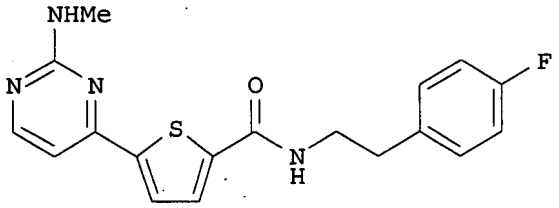


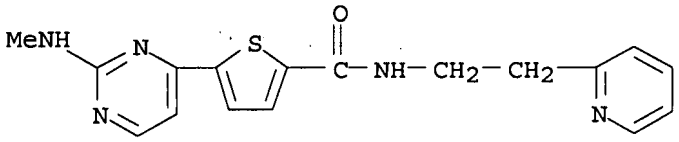
II

AB The invention relates to new substituted five-membered compds. I and their pharmaceutically acceptable salts, esters or prodrugs, compns. of the new compds. together with pharmaceutically acceptable carriers, and uses. In compds. I, A is N-containing heteroaryl with 5-6 ring atoms and 1-4 ring N atoms; n is 0-1; R is H, OH, (un)substituted (cyclo)alkyl, SO2R7 (R7 is C1-C5 alkyl or substituted alkyl), alkoxy, CO2H or esters, NO2, (un)substituted (hetero)aryl or heterocyclyl, acylamino, or acyl; R1 is (independently) halo, cyano, NO2, OH, SH, (un)substituted: NH2, alkoxy, (hetero)aryloxy, alkylthio, CONH2, acylamino, (hetero)aryl, heterocyclyl, or alkyl; m is 0-2; R2 and R4 are independently H, (un)substituted: cycloalkyl, heterocyclyl, (hetero)aryl, alk(en/yn)yl, alkoxy, OH, (di)(alkyl)amino; with the proviso that one R2 or R4 is H under some circumstances; R3 is H, alkyl, and (un)substituted (C1-5 alkylene)p-Z; Z is (un)substituted alkyl, alkylamino, (un)substituted alkoxy, cycloalkyl, (un)substituted heterocyclyl or (hetero)aryl; p is 0-1; Q is (un)substituted or thio-analogous CONH, CH2NH, NHCO, NHCO2, NHCONH, OCONH, CO2, CH:CH, C.tplbond.C, SO2NH, or SONH; where QR3 and R4 may form an (un)substituted heterocyclic ring; W is O, S, SO, or SO2; with provisos, and including pharmaceutically acceptable salts, esters and/or prodrugs. Over 370 compds. I were prepared, and these compds. are claimed individually. The compds. are inhibitors of Akt, PKA, and CDC7 protein kinases (no data), and are thus useful in the treatment of cancer. For example, 5-acetyl-2-thiophenecarboxylic acid was activated with CDI and amidated with 4-fluorophenethylamine to give the corresponding amide. The acetyl group of the amide was converted to a vinylogous enamine using DMF di-Me acetal, and this was condensed with methylguanidine HCl to give invention compound II.

IT 866522-67-0P, 5-[2-(Methylamino)pyrimidin-4-yl]-N-[2-(pyridin-2-yl)ethyl]thiophene-2-carboxamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of substituted thiophene derivs. as PKB/Akt, PKA, and CDC7 inhibitors for treatment of cancer)

RN 866522-67-0 CAPLUS

CN 2-Thiophenecarboxamide, 5-[2-(methylamino)-4-pyrimidinyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:998722 CAPLUS
DOCUMENT NUMBER: 143:286453
TITLE: Preparation of 2-pyridinylethylcarboxamide derivatives as agricultural fungicides
INVENTOR(S): Mansfield, Darren; Coqueron, Pierre-Yves; Rieck, Heiko; Desbordes, Philippe; Grosjean-Cournoyer, MarieClaire; Genix, Pierre; Villier, Alain
PATENT ASSIGNEE(S): Bayer Cropscience S.A., Fr.
SOURCE: Eur. Pat. Appl., 42 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1574511	A1	20050914	EP 2004-356029	20040303
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CA 2553252	A1	20050915	CA 2005-2553252	20050301
WO 2005085238	A1	20050915	WO 2005-EP3282	20050301
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1720865	A1	20061115	EP 2005-716432	20050301
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1926134	A	20070307	CN 2005-80006530	20050301
BR 2005006565	A	20070417	BR 2005-6565	20050301

PRIORITY APPLN. INFO.: EP 2004-356029 A 20040303
WO 2005-EP3282 W 20050301

OTHER SOURCE(S): MARPAT 143:286453
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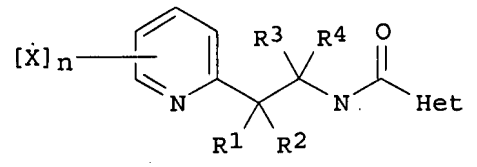

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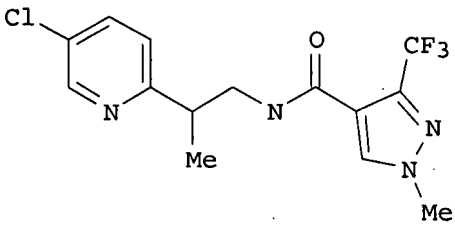
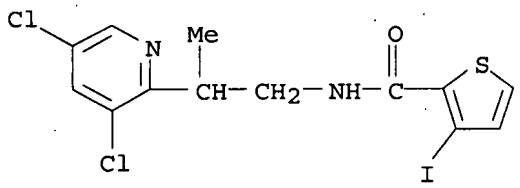


II

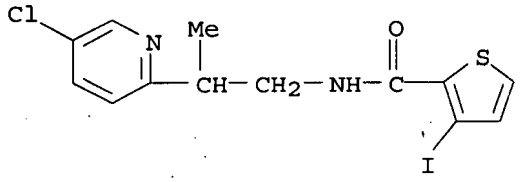
AB The invention is related to the preparation of 2-pyridinylethylcarboxamide derivs. of formula I [wherein n = 1-4; X = independently H, halo, NO2, CN, OH, NH2, etc.; R1-R4 = independently H, halo, CN, alkyl, etc. with the proviso that when 3 of the 4 substituents R1-R4 = H, then the fourth substituent is not H; R5 = H, Cn, CHO, alkyl, OH, alkylsulfonyl, etc.; Het = 5-7 membered heterocycle with 1-3 heteroatoms; Het being linked by a C atom and being at least substituted in ortho position; and their salts, N-oxides, metallic and metalloidic complexes], useful as agricultural fungicides. For instance, 2-pyridinylethylcarboxamide derivative II was prepared For compound II (330 ppm) in vivo test on alternaria brassicae (leaf spot of crucifer) was performed and 50 to 100% of protection was observed

IT 864439-83-8P 864439-84-9P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-pyridinylethylcarboxamide derivs. as agricultural fungicides)

RN 864439-83-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(3,5-dichloro-2-pyridinyl)propyl]-3-iodo- (9CI) (CA INDEX NAME)



RN 864439-84-9 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(5-chloro-2-pyridinyl)propyl]-3-iodo- (9CI) (CA INDEX NAME)



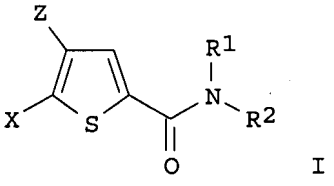
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:823508 CAPLUS
DOCUMENT NUMBER: 143:229871
TITLE: Preparation of thiophenecarboxamides for treating a disorder mediated by inappropriate ROCK-1 activity
INVENTOR(S): Drewry, David Harold; Hunter, Robert Neil, III; Jung, David Kendall; Linn, James Andrew; Sehon, Clark; Stavenger, Robert A.
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
SOURCE: PCT Int. Appl., 90 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005074642	A2	20050818	WO 2005-US3478	20050128
WO 2005074642	A3	20051027		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1708697	A2	20061011	EP 2005-722720	20050128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				

PRIORITY APPLN. INFO.: US 2004-540605P P 20040130
WO 2005-US3478 W 20050128

OTHER SOURCE(S): MARPAT 143:229871
GI



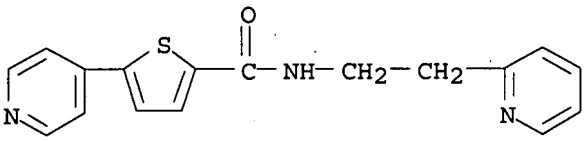
I

AB The title compds. I [R1 = H, alkyl; R2 = alkyl, (un)substituted aryl, heteroaryl, etc.; or NR1R2 = (un)substituted 5-6 membered monocyclic heterocyclic ring, 9-10 membered bicyclic heterocyclic ring; X = indazolyl, pyrazolyl, pyridyl, pyrimidinyl; Z = H, halo, CN, 5-6 membered heteroaryl], useful for treating disorders mediated by inappropriate ROCK-1 activity, were prepared E.g., a 3-step synthesis of I [R1 = H; R2 = (CH2)2Ph; X = 4-pyridyl; Z = H], starting from 5-bromo-2-thiophenecarboxylic acid, is given. All the exemplified compds. I showed

inhibitory activity vs. Rock-1 with a pIC50 of 5.0 or greater. The pharmaceutical composition comprising the compound I is disclosed.

IT 862698-05-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiophenecarboxamides for treating a disorder mediated by inappropriate ROCK-1 activity)

RN 862698-05-3 CAPLUS
CN 2-Thiophenecarboxamide, 5-(4-pyridinyl)-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:568973 CAPLUS
DOCUMENT NUMBER: 143:97399
TITLE: A preparation of 2-pyridinylethylcarboxamide derivatives, useful as agricultural fungicides
INVENTOR(S): Coqueron, Pierre-Yves; Desbordes, Philippe; Mansfield, Darren James; Rieck, Heiko; Grosjean-Cournoyer, Marie-Claire; Villier, Alain; Genix, Pierre
PATENT ASSIGNEE(S): Bayer Cropscience S.A., Fr.
SOURCE: Eur. Pat. Appl., 50 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1548007	A1	20050629	EP 2003-356206	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
WO 2005058833	A1	20050630	WO 2004-EP14897	20041216
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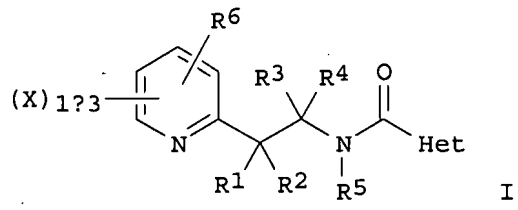
EP 1694649	A1	20060830	EP 2004-804477	20041216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2004016720	A	20070116	BR 2004-16720	20041216
CN 1898210	A	20070117	CN 2004-80038095	20041216
US 2007117845	A1	20070524	US 2006-583011	20061006
PRIORITY APPLN. INFO.:			EP 2003-356206 A	20031219
			WO 2004-EP14897 W	20041216

OTHER SOURCE(S): MARPAT 143:97399

GI



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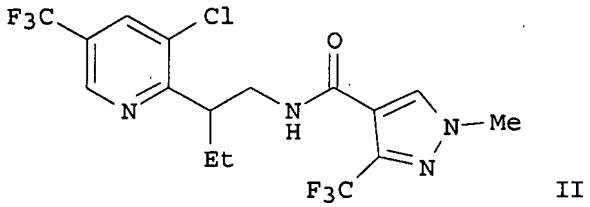


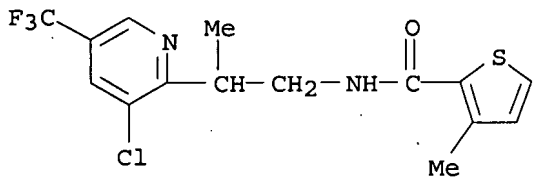
II

AB The invention relates to a preparation of 2-pyridinylethylcarboxamide derivs. of formula I [wherein: R1, R2, R3, and R4 are independently selected form H, halogen, CN, OH, NH2, or CHO, etc.; R5 is H, CN, CHO, or OH, etc.; R6 is haloalkyl with 1 to 5 halogen atoms; X is H, halogen, or (halo)alkyl; Het is 5-7-membered heterocycle with 1 to 3 heteroatoms], useful as agricultural fungicides. For instance, 2-pyridinylethylcarboxamide derivative II was prepared via amidation of 1-methyl-3-(trifluoromethyl)-1H-pyrazole-4-carboxylic acid by 2-[3-chloro-5-(trifluoromethyl)-2-pyridyl]-1-butanamine with a yield of 57%. For instance, for compound II (330 ppm) in vivo test on alternaria brassicae (leaf spot of crucifer) was performed and 50 to 100% of protection was observed

IT 856245-00-6P 856245-02-8P 856245-28-8P
856245-33-5P 856245-36-8P 856245-37-9P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-pyridinylethylcarboxamide derivs. useful as agricultural fungicides)

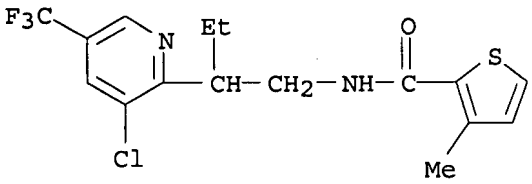
RN 856245-00-6 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]propyl]-3-methyl- (9CI) (CA INDEX NAME)

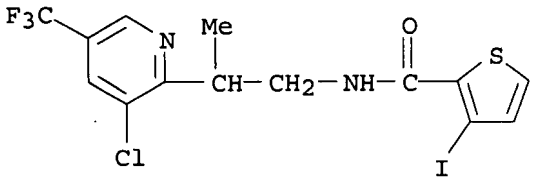


RN 856245-02-8 CAPLUS

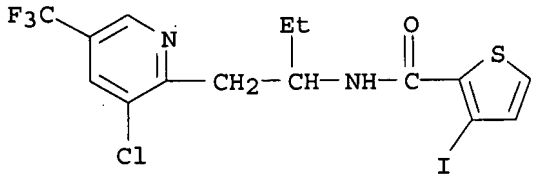
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]butyl]-3-methyl- (9CI) (CA INDEX NAME)



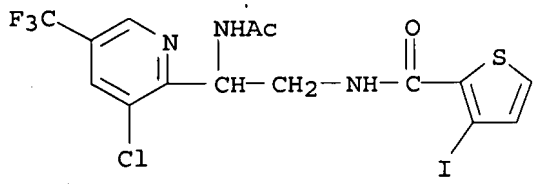
RN 856245-28-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]propyl]-3-iodo- (9CI) (CA INDEX NAME)



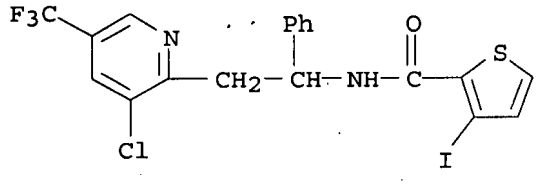
RN 856245-33-5 CAPLUS
CN 2-Thiophenecarboxamide, N-[1-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]propyl]-3-iodo- (9CI) (CA INDEX NAME)



RN 856245-36-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-(acetylamino)-2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-iodo- (9CI) (CA INDEX NAME)



RN 856245-37-9 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]-1-phenylethyl]-3-iodo- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:700281 CAPLUS
DOCUMENT NUMBER: 141:207064
TITLE: Preparation of heteroarylcarboxamides as fungicides
INVENTOR(S): Mansfield, Darren James; Rieck, Heiko; Greul, Joerg Nico; Coqueron, Pierre-Yves; Desbordes, Philippe; Genix, Pierre; Grosjean-Cournoyer, Marie-Claire; Perez, Joseph; Villier, Alain
PATENT ASSIGNEE(S): Bayer Cropscience Sa, Fr.
SOURCE: Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1449841	A1	20040825	EP 2003-356029	20030219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CA 2516186	A1	20040902	CA 2004-2516186	20040212
WO 2004074280	A1	20040902	WO 2004-EP2381	20040212
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1597252	A1	20051123	EP 2004-710397	20040212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004006465	A	20051206	BR 2004-6465	20040212
CN 1751039	A	20060322	CN 2004-80004237	20040212
JP 2006517948	T	20060803	JP 2006-501983	20040212
ZA 2005004957	A	20060426	ZA 2005-4957	20050617
IN 2005DN02948	A	20070601	IN 2005-DN2948	20050701
US 2006052366	A1	20060309	US 2005-545364	20050920
PRIORITY APPLN. INFO.:			EP 2003-356029 A	20030219
			WO 2004-EP2381 W	20040212

OTHER SOURCE(S): MARPAT 141:207064
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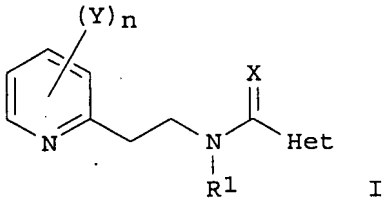

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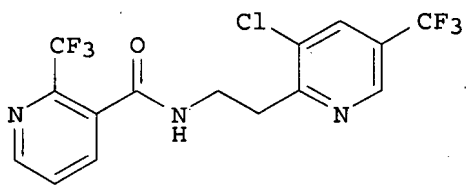


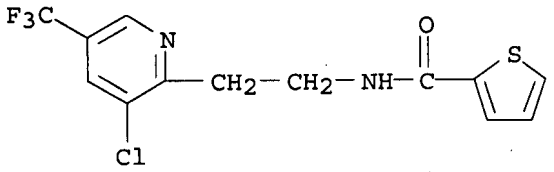
II

AB The title compds. I [wherein X = O or S; Y = halo, NO2, CN, etc.; R1 = halo, CN, NO2, etc.; n = 1-4; Het = (un)substituted heterocycle] are prepared as fungicides. For example, 2-(trifluoromethyl)nicotinic acid was reacted with 2-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]ethylamine in

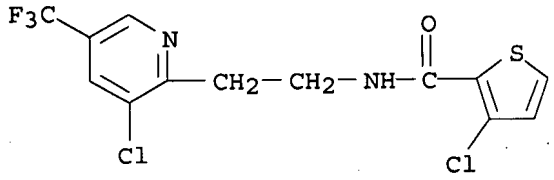
CH2Cl2 to give II (98%). Compds. I protected 50-100% radish plants against alternaria brassicae at 300 ppm.

IT 743454-66-2P 743454-68-4P 743454-70-8P
743454-72-0P 743454-74-2P 743454-76-4P
743454-78-6P 743454-80-0P 743454-82-2P
743454-83-3P 743454-85-5P 743454-87-7P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fungicide; preparation of heteroarylcarboxamides as fungicides)

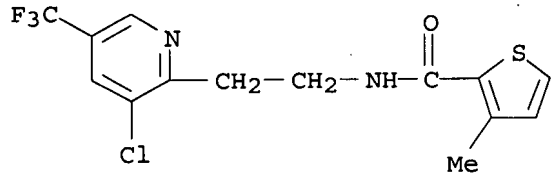
RN 743454-66-2 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



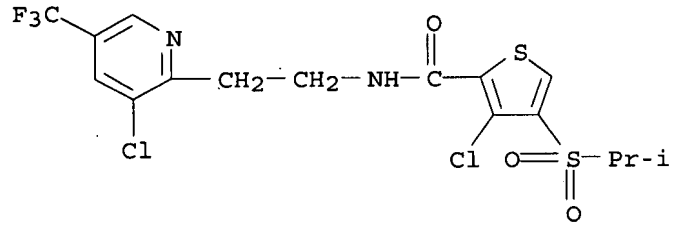
RN 743454-68-4 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



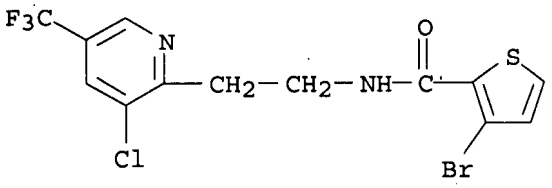
RN 743454-70-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)



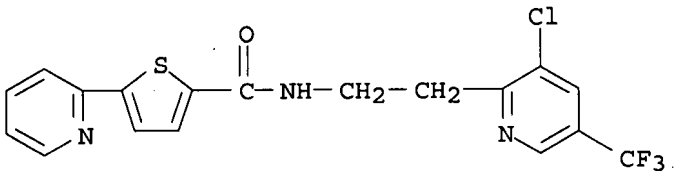
RN 743454-72-0 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-4-[(1-methylethyl)sulfonyl]- (9CI) (CA INDEX NAME)



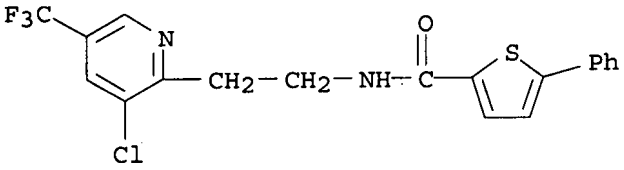
RN 743454-74-2 CAPLUS
CN 2-Thiophenecarboxamide, 3-bromo-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



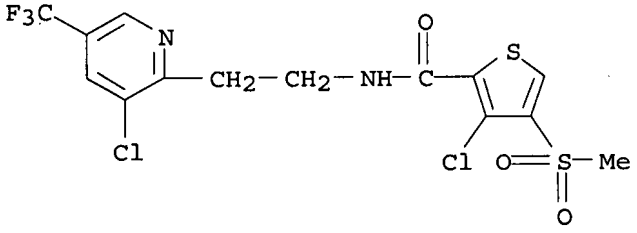
RN 743454-76-4 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-5-(2-pyridinyl)- (9CI) (CA INDEX NAME)



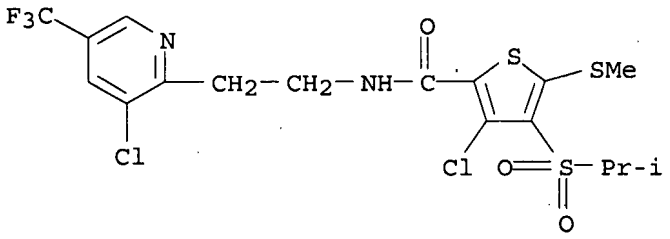
RN 743454-78-6 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-5-phenyl- (9CI) (CA INDEX NAME)



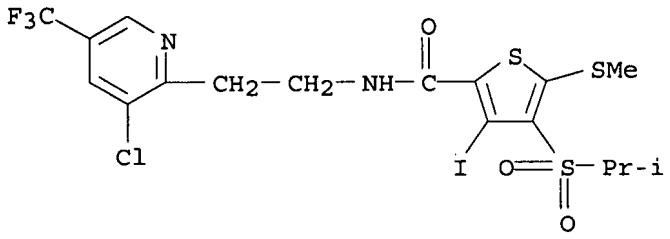
RN 743454-80-0 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-4-(methylsulfonyl)- (9CI) (CA INDEX NAME)



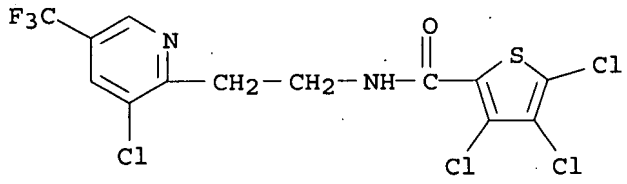
RN 743454-82-2 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-4-[(1-methylethyl)sulfonyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



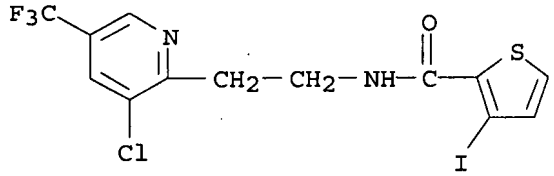
RN 743454-83-3 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-iodo-4-[(1-methylethyl)sulfonyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



RN 743454-85-5 CAPLUS
CN 2-Thiophenecarboxamide, 3,4,5-trichloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 743454-87-7 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-iodo- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:203550 CAPLUS
DOCUMENT NUMBER: 140:253559
TITLE: Preparation of 5-substituted indeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents
INVENTOR(S): Nugiel, David; Carini, David; DiMeo, Susan; Vidwans, Anup; Yue, Eddy
PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA
SOURCE: U.S. Pat. Appl. Publ., 56 pp., Cont.-in-part of U.S.

Ser. No. 906,963.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004048844	A1	20040311	US 2003-427540	20030501
US 6291504	B1	20010918	US 2000-692023	20001019
US 2003073686	A1	20030417	US 2001-906963	20010716
US 6593356	B2	20030715		
US 2005261353	A1	20051124	US 2005-64758	20050224

PRIORITY APPLN. INFO.: US 1999-160713P P 19991020
US 2000-692023 A2 20001019
US 2001-906963 A2 20010716
US 2003-427540 B1 20030501

OTHER SOURCE(S): MARPAT 140:253559

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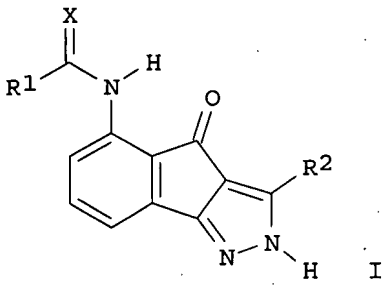

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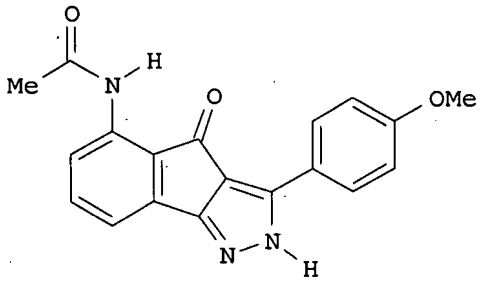


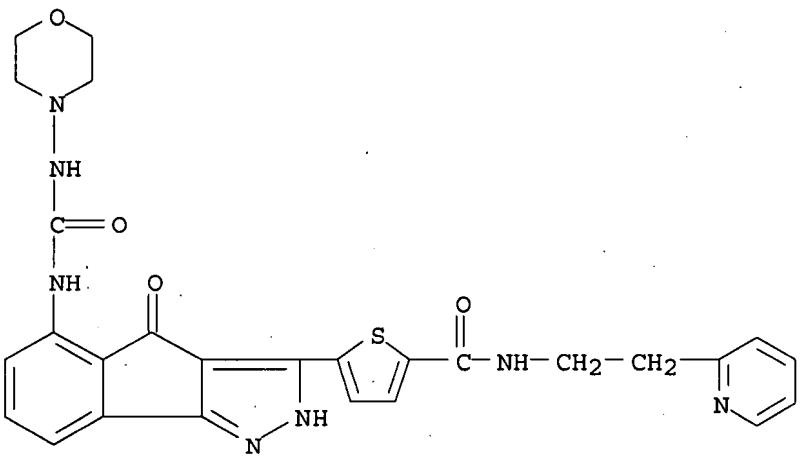
II

AB The title compds. [I; X = O, S, NR (wherein R = H, alkyl, (un)substituted NH2); R1 = H, (un)substituted alkyl, alkenyl, etc.; R2 = H, (un)substituted alkyl, alkenyl, etc.] that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits known as cyclins A-G and therefore are useful in treating cancer or other proliferative diseases (no data), were prepared E.g., a 3-step synthesis of indeno[1,2-c]pyrazol-4-one II, starting with di-Me 3-nitrophthalate, was given.

IT 247149-81-1P, 3-[5-[[[2-(2-Pyridyl)ethyl]amino]carbonyl]-2-thienyl]-5-[[(morpholin-4-yl)carbamoyl]amino]indeno[1,2-c]pyrazol-4-one
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of indenopyrazolones as anti-cancer and anti-proliferative agents)

RN 247149-81-1 CAPLUS

CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



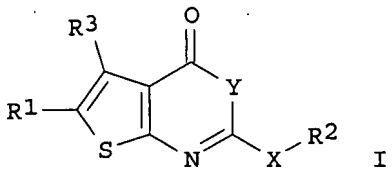
L7 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:511310 CAPLUS
DOCUMENT NUMBER: 139:85360
TITLE: Preparation of 4-oxo-4H-thieno[2,3-d][1,3]oxazine derivatives as pancreatic lipase inhibitors for treatment of obesity or diabetes
INVENTOR(S): Witter, David; Castelhano, Arlindo L.
PATENT ASSIGNEE(S): Osi Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 176 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003053944	A1	20030703	WO 2002-US41272	20021220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2471098	A1	20030703	CA 2002-2471098	20021220
AU 2002366810	A1	20030709	AU 2002-366810	20021220
US 2003195199	A1	20031016	US 2002-326302	20021220
US 7064122	B2	20060620		
BR 2002015080	A	20041005	BR 2002-15080	20021220
EP 1467978	A1	20041020	EP 2002-805675	20021220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1620439	A	20050525	CN 2002-828252	20021220
JP 2005518383	T	20050623	JP 2003-554660	20021220
IN 2004DN01808	A	20070119	IN 2004-DN1808	20040624

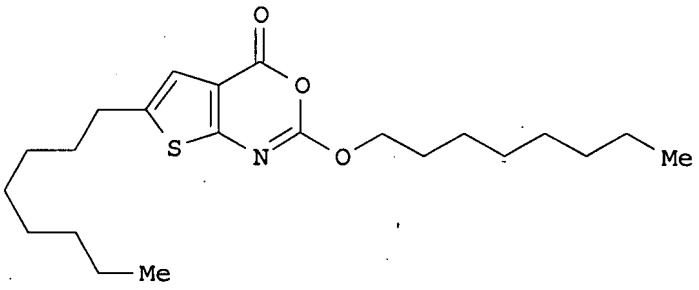
PRIORITY APPLN. INFO.:	US 2001-342617P	P	20011220
	US 2002-357015P	P	20020213
	WO 2002-US41272	W	20021220

OTHER SOURCE(S): MARPAT 139:85360

GI



I



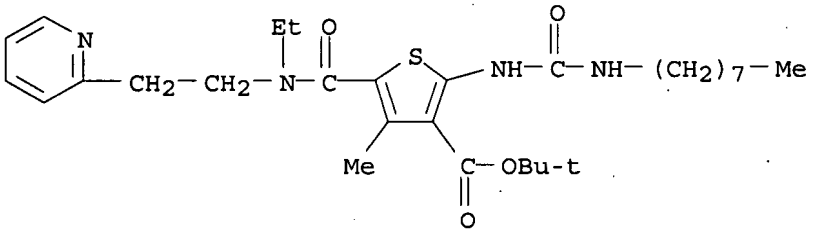
II

AB The title compds. I [wherein X = O, S, CH2, or NR5; Y = O or S; R1 = H, (un)substituted alkyl(aryl), CO2R4, CONR4R5, CR6R10OR4, CR6R10OCOR4, CR6R10OCONHR7, CONR8R9, NR5CONHR5, or CH2R4; R2 = (un)substituted alkyl, aryl, alkylaryl, (hetero)arylalkyl, or cycloalkyl; R3 = H or (un)substituted (cyclo)alkyl; R4 = H, (un)substituted alkyl, aryl, CH2-aryl, (hetero)arylalkyl, or cycloalkyl; R5 = H, (un)substituted alkyl, (hetero)arylalkyl, or cycloalkyl; R6 and R10 = independently H or (un)substituted (cyclo)alkyl; or R6 and R10 together form a ring; R7 = H or (un)substituted (cyclo)alkyl; R8 and R9 = independently H, (un)substituted alkyl, alkoxy, or alkylaryl; or NR8R9 together form a substituted piperazine ring, a piperidine ring, or a dihydro-1H-isoquinoline ring] and specific enantiomers, specific tautomers, and pharmaceutically acceptable salts thereof are prepared For example, the compound II was prepared in a multi-step synthesis. II showed 96.13% inhibitory activity against pancreatic lipase. I are useful for the treatment of diabetes or obesity (no data).

IT 554442-76-1P 554443-56-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of thienooxazine derivs. as pancreatic lipase inhibitors for treatment of obesity or diabetes)

RN 554442-76-1 CAPLUS

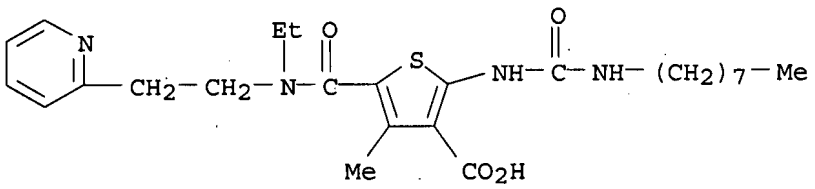
CN 3-Thiophenecarboxylic acid, 5-[[ethyl[2-(2-pyridinyl)ethyl]amino]carbonyl]-4-methyl-2-[[(octylamino)carbonyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 554443-56-0 CAPLUS

CN 3-Thiophenecarboxylic acid, 5-[[ethyl[2-(2-pyridinyl)ethyl]amino]carbonyl]-

4-methyl-2-[[(octylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:356419 CAPLUS
DOCUMENT NUMBER: 138:368770
TITLE: Preparation of pyridinylethylamines and amides as anticancer drugs.
INVENTOR(S): Menon, Sanjay R.; Lu, Yingchun; Sakamuri, Sukumar; Chen, Quin-Zene; Khazak, Vladimir; Agarwal, Seema
PATENT ASSIGNEE(S): Morphochem Aktiengesellschaft fuer Kombinatorische Chemie, Germany
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003037865	A1	20030508	WO 2002-EP12222	20021031
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2468761	A1	20030508	CA 2002-2468761	20021031
EP 1442018	A1	20040804	EP 2002-787539	20021031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2005228017	A1	20051013	US 2005-497449	20050330
PRIORITY APPLN. INFO.:			US 2001-335300P P	20011031
			WO 2002-EP12222 W	20021031

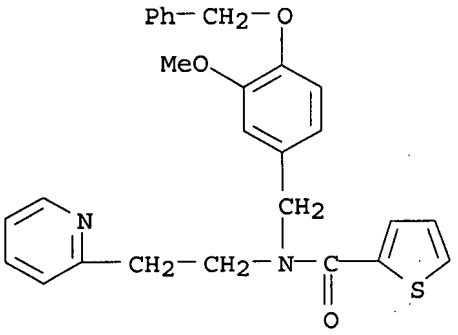
OTHER SOURCE(S): MARPAT 138:368770

AB (R3Y)(R1X)NUR2 [n = 0-5; X, Y = CH2, CO, SO2, CONH; R1 = (substituted) aryl, aralkyl, heteroaryl, heteroarylalkyl; R2 = (substituted) heteroalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, cycloalkyl, heterocycloalkyl, heteroalkylcycloalkyl; R3 = (substituted) alkyl, alkenyl, alkynyl, heteroalkyl, cycloalkyl, alkylcycloalkyl, heterocycloalkyl, heteroalkylcycloalkyl, aryl, heteroaryl, heteroarylalkyl, aralkyl], were prepared Thus, N-(4-benzyloxy-3-methoxybenzyl)-N-(2-pyridin-2-ylethyl)amine (preparation given) in ClCH2CH2Cl was treated with polymer-supported morpholine and 2-chlorobenzoyl chloride followed by stirring for 24 h. Polymer-supported isocyanate, polymer-supported tris(2-aminoethyl)amine, and ClCH2CH2Cl were added

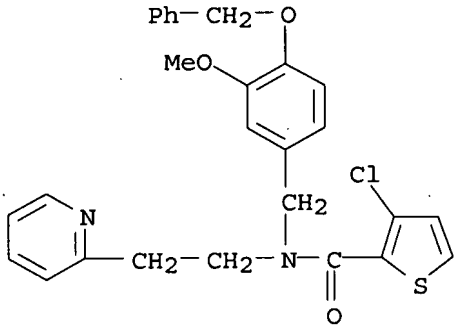
followed by stirring for 24 h to give 84% N-(4-benzyloxy-3-methoxybenzyl)-N-(2-pyridin-2-ylethyl)-2-chlorobenzamide. Title compds. showed IC50's of 5-60 μM in secondary luciferase assays in NIH3T3, CHO, or HEK293 cells.

IT 521310-87-2 521311-37-5 521311-38-6
521311-69-3 521312-57-2
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of pyridinylethylamines and amides as anticancer drugs)

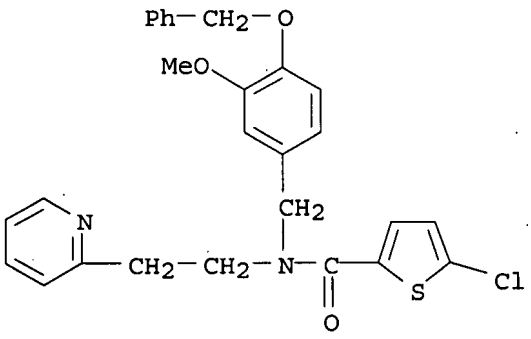
RN 521310-87-2 CAPLUS
CN 2-Thiophenecarboxamide, N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



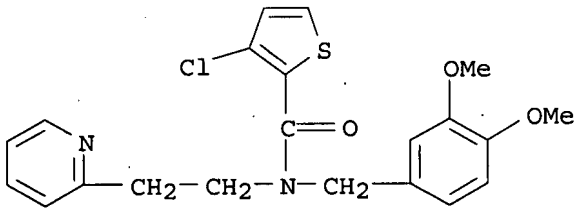
RN 521311-37-5 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



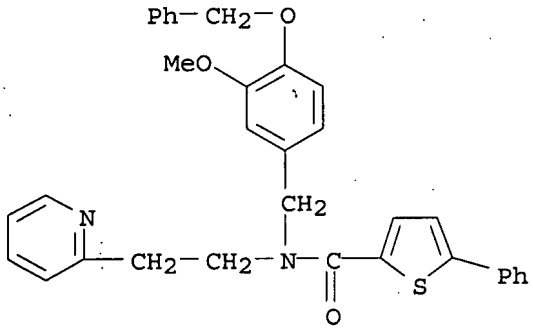
RN 521311-38-6 CAPLUS
CN 2-Thiophenecarboxamide, 5-chloro-N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 521311-69-3 CAPLUS
CN 2-Thiophenecarboxamide, 3-chloro-N-[(3,4-dimethoxyphenyl)methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 521312-57-2 CAPLUS
CN 2-Thiophenecarboxamide, N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-5-phenyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:300613 CAPLUS
DOCUMENT NUMBER: 138:304281
TITLE: Preparation of 5-substituted indeno[1,2-c]pyrazol-4-ones as cyclin dependent kinase inhibitors for treating cancer and other proliferative diseases
INVENTOR(S): Nugiel, David; Carini, David; Dimeo, Susan; Vidwans, Anup; Yue, Eddy
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 53 pp., Cont.-in-part of U.S. 6,291,504.
CODEN: USXXCO

10/583,011

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003073686	A1	20030417	US 2001-906963	20010716
US 6593356	B2	20030715		
US 6291504	B1	20010918	US 2000-692023	20001019
CA 2453594	A1	20030130	CA 2002-2453594	20020716
WO 2003007883	A2	20030130	WO 2002-US22663	20020716
WO 2003007883	A3	20030522		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002318254	A1	20030303	AU 2002-318254	20020716
EP 1417177	A2	20040512	EP 2002-748186	20020716
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002011203	A	20040928	BR 2002-11203	20020716
CN 1553900	A	20041208	CN 2002-817761	20020716
JP 2004536853	T	20041209	JP 2003-513492	20020716
HU 200401588	A2	20050128	HU 2004-1588	20020716
US 2004048844	A1	20040311	US 2003-427540	20030501
NO 2004000175	A	20040312	NO 2004-175	20040115
ZA 2004000332	A	20050415	ZA 2004-332	20040115
IN 2004DN00119	A	20050401	IN 2004-DN119	20040116
US 2005261353	A1	20051124	US 2005-64758	20050224

PRIORITY APPLN. INFO.:

US 1999-160713P	P	19991020
US 2000-692023	A2	20001019
US 2001-906963	A	20010716
WO 2002-US22663	W	20020716
US 2003-427540	B1	20030501

OTHER SOURCE(S): MARPAT 138:304281
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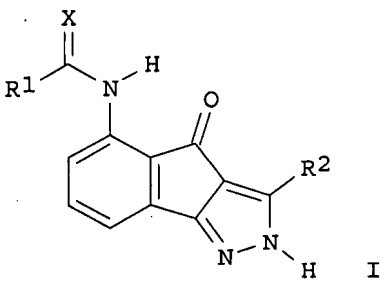

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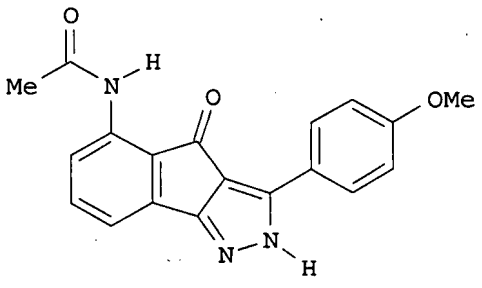


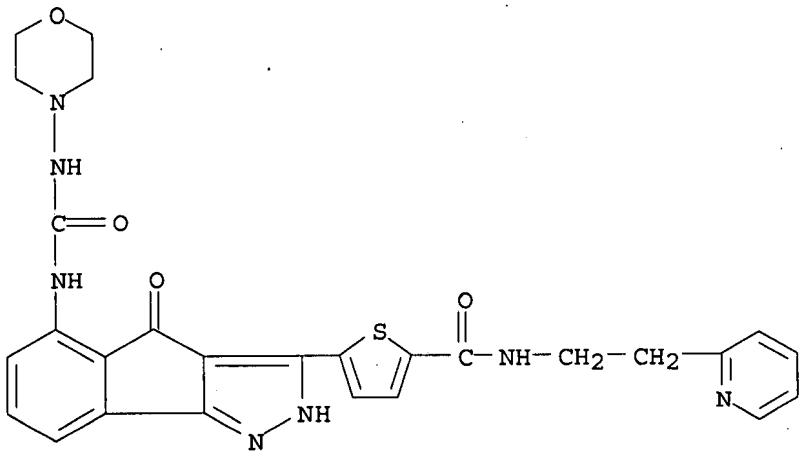
II

AB The title compds. [I; X = O, S, NR (wherein R = H, alkyl, (un)substituted NH2); R1 = H, (un)substituted alkyl, alkenyl, etc.; R2 = H, (un)substituted alkyl, alkenyl, etc.] that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits known as cyclines

A-G and therefore are useful in treating cancer or other proliferative diseases (no data), were prepared E.g., a 3-step synthesis of indeno[1,2-c]pyrazol-4-one II, starting with di-Me 3-nitrophthalate, was given.

IT 247149-81-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-substituted indeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents)

RN 247149-81-1 CAPLUS
CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:76552 CAPLUS
DOCUMENT NUMBER: 138:122642
TITLE: Preparation of 5-substituted indeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents
INVENTOR(S): Nugiel, David; Carini, David; Dimeo, Susan; Vidwans, Anup; Yue, Eddy
PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA
SOURCE: PCT Int. Appl., 184 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

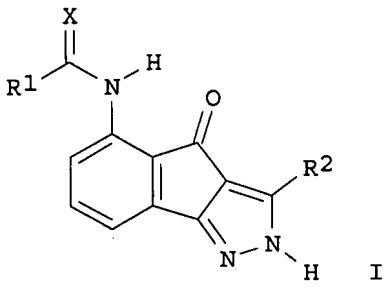
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003007883	A2	20030130	WO 2002-US22663	20020716
WO 2003007883	A3	20030522		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,

CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG						
US 2003073686	A1	20030417	US 2001-906963			20010716
US 6593356	B2	20030715				
CA 2453594	A1	20030130	CA 2002-2453594			20020716
AU 2002318254	A1	20030303	AU 2002-318254			20020716
EP 1417177	A2	20040512	EP 2002-748186			20020716
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK						
BR 2002011203	A	20040928	BR 2002-11203			20020716
JP 2004536853	T	20041209	JP 2003-513492			20020716
HU 200401588	A2	20050128	HU 2004-1588			20020716
NO 2004000175	A	20040312	NO 2004-175			20040115
IN 2004DN00119	A	20050401	IN 2004-DN119			20040116
PRIORITY APPLN. INFO.:			US 2001-906963	A		20010716
			US 1999-160713P	P		19991020
			US 2000-692023	A2		20001019
			WO 2002-US22663	W		20020716

OTHER SOURCE(S): MARPAT 138:122642

GI



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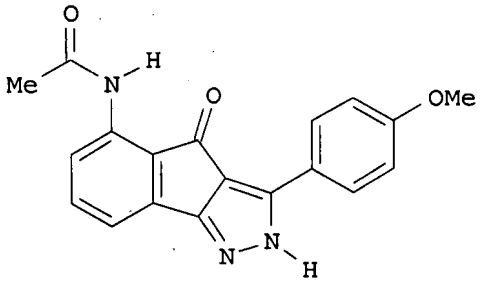


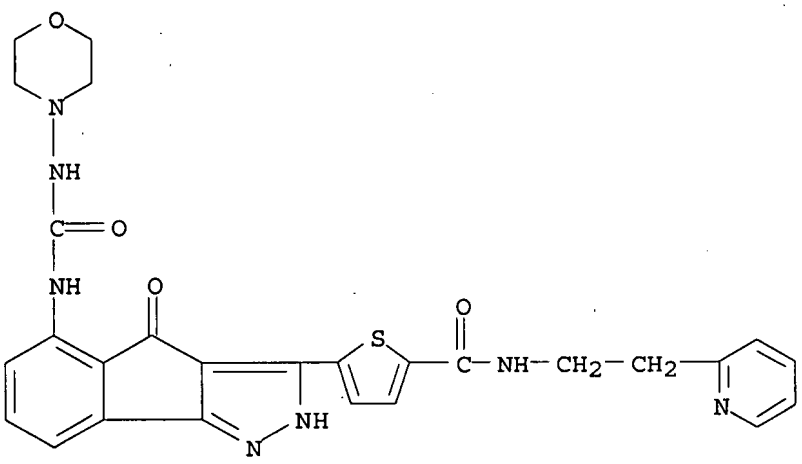
II

AB The title compds. [I; X = O, S, NR (wherein R = H, alkyl, (un)substituted NH2); R1 = H, (un)substituted alkyl, alkenyl, etc.; R2 = H, (un)substituted alkyl, alkenyl, etc.] that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits known as cyclines A-G and therefore are useful in treating cancer or other proliferative diseases (no data), were prepared E.g., a 3-step synthesis of indeno[1,2-c]pyrazol-4-one II, starting with di-Me 3-nitrophthalate, was given.

IT 247149-81-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-substituted indeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents)

RN 247149-81-1 CAPLUS

CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:43028 CAPLUS
DOCUMENT NUMBER: 138:106596
TITLE: Preparation of thiophenedicarboxamides and related compounds as histone deacetylase (HDAC) inhibitors.
INVENTOR(S): Leser-Reiff, Ulrike; Sattelkau, Tim; Zimmermann, Gerd
PATENT ASSIGNEE(S): Hoffman-La Roche, Inc., Germany
SOURCE: U.S. Pat. Appl. Publ., 19 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003013757	A1	20030116	US 2002-167677	20020611
US 6784173	B2	20040831		
CA 2449804	A1	20030213	CA 2002-2449804	20020613
WO 2003011851	A2	20030213	WO 2002-EP6488	20020613
WO 2003011851	A3	20030918		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002355626	A1	20030217	AU 2002-355626	20020613
EP 1401824	A2	20040331	EP 2002-791436	20020613
EP 1401824	B1	20061025		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1516697	A	20040728	CN 2002-812010	20020613
BR 2002010424	A	20040817	BR 2002-10424	20020613
NZ 529874	A	20041224	NZ 2002-529874	20020613
JP 2005502641	T	20050127	JP 2003-517043	20020613
AT 343569	T	20061115	AT 2002-791436	20020613
RU 2289580	C2	20061220	RU 2003-137578	20020613
ZA 2003009260	A	20050228	ZA 2003-9260	20031127

IN 2003CN01981	A	20060106	IN 2003-CN1981		20031211
BG 108450	A	20050131	BG 2003-108450		20031215
US 2004214862	A1	20041028	US 2004-847166		20040517
HK 1065787	A1	20061117	HK 2004-108497		20041029
PRIORITY APPLN. INFO.:			EP 2001-114496	A	20010615
			US 2002-167677	A3	20020611
			WO 2002-EP6488	W	20020613

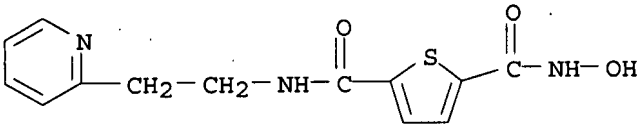
OTHER SOURCE(S): MARPAT 138:106596

AB HONHCOACONR1R2 [A = (substituted) Ph, thienyl; R1, R2 = H, (substituted) alkyl, carbocyclyl, heterocyclyl; NR1R2 = (substituted) 3-6 membered ring], were prepared Thus, thiophene-2,5-dicarboxylic acid monomethyl ester and N-methylmorpholine in CH2Cl2 at -10° were treated with 1-aminomethylnaphthalene in CH2Cl2; the mixture was stirred 90 min to give 58% monoamide. This was stirred with NH2OH.HCl and NaOMe in MeOH for 4 h to give thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-[(naphthalen-1-ylmethyl)amide]. Tested title compds. inhibited HT-29 tumor cell growth with IC50 = 0.02-0.17 μM. A tablet formulation is given.

IT 487003-84-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of thiophenedicarboxamides and related compds.
as histone deacetylase (HDAC) inhibitors)

RN 487003-84-9 CAPLUS

CN 2,5-Thiophenedicarboxamide, N-hydroxy-N'-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:731369 CAPLUS

DOCUMENT NUMBER: 135:288778

TITLE: Preparation of indeno[1,2-c]pyrazol-4-ones as inhibitors of cyclin dependent kinases

INVENTOR(S): Nugiel, David A.; Carini, David J.; Dimeo, Susan V.; Yue, Eddy W.

PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA

SOURCE: U.S. Pat. Appl. Publ., 104 pp., Cont.-in-part of U.S. Ser. No. 639,618.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

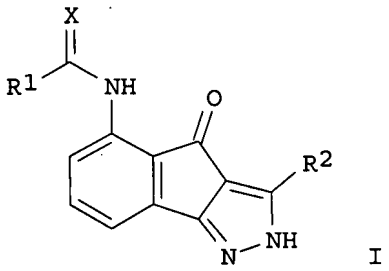
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001027195	A1	20011004	US 2000-731304	20001206
US 6407103	B2	20020618		
US 6413957	B1	20020702	US 2000-639618	20000815
CA 2420164	A1	20020502	CA 2000-2420164	20001020
AU 2001012168	A5	20020506	AU 2001-12168	20001020

EP 1414804 A1 20040506 EP 2000-973682 20001020
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY
JP 2004524277 T 20040812 JP 2002-537713 20001020
PRIORITY APPLN. INFO.: US 1998-82476P P 19980421
US 1999-295078 B1 19990420
US 2000-639618 A2 20000815
WO 2000-US28952 W 20001020
OTHER SOURCE(S): MARPAT 135:288778

GI



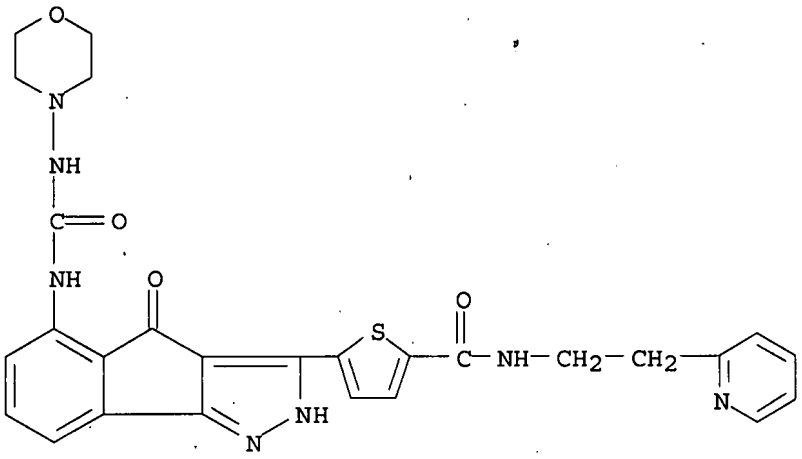
I

AB The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula [X = O, S, (un)substituted NH; R1 = H, (un)substituted C1-10 alkyl, C2-10 alkenyl, C2-10 alkynyl, NH2, C3-10 membered carbocyclyl, 3-10 membered heterocycle containing 1-4 heteroatoms selected from O, N, and S; R2 = H, (un)substituted C1-10 alkyl, C2-10 alkenyl, C2-10 alkynyl, (CF2)mCF3, C3-10 membered carbocyclyl, 3-10 membered heterocycle containing 1-4 heteroatoms selected from O, N, and S; wherein m = 0, 1-4]. These compds. are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-9 and their regulatory subunits know as cyclins A-H. This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compds. or a pharmaceutically acceptable salt form thereof. Alternatively, cancer or other proliferative diseases can be treated by administering a therapeutically effective combination of one of the compds. of the present invention and one or more other known anti-cancer or anti-proliferative agents (no data). Thus, hydrogenation of di-Me 3-nitrophthalate over 5% Pd-C in methanol in a Parr shaker at 50 psi for 2 h followed by acetylation with Ac2O in pyridine at 25° for 2 h gave 79% di-Me 3-acetamidophthalate which was treated with NaH in DMF and cyclocondensed with 4-methoxyacetophenone at 90° for 20 min to give 30% 2-(4-methoxybenzoyl)-4-acetamidoindane-2,3-dione. Cyclocondensation of the latter triketone with hydrazine hydrate in the presence of p-TsOH in ethanol under reflux for 2 h gave I (R1 = Me, X = O, R2 = 4-methoxyphenyl).

IT 247149-81-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indeno[c]pyrazolones as inhibitors of cyclin dependent kinases)

RN 247149-81-1 CAPLUS

CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



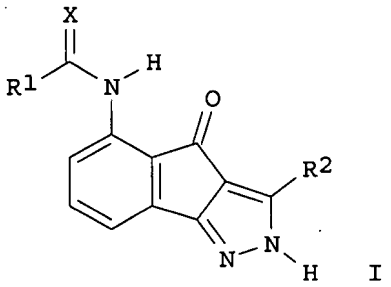
L7 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:691083 CAPLUS
DOCUMENT NUMBER: 131:299444
TITLE: Preparation of 5-aminoindeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents
INVENTOR(S): Nugiel, David A.; Carini, David J.; Yue, Eddy W.; Dimeo, Susan V.
PATENT ASSIGNEE(S): Du Pont Pharmaceuticals Company, USA
SOURCE: PCT Int. Appl., 184 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9954308	A1	19991028	WO 1999-US8616	19990420
W: AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2322204	A1	19991028	CA 1999-2322204	19990420
AU 9936548	A	19991108	AU 1999-36548	19990420
AU 767409	B2	20031106		
EP 1071668	A1	20010131	EP 1999-918695	19990420
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
BR 9909597	A	20011002	BR 1999-9597	19990420
JP 2002512230	T	20020423	JP 2000-544647	19990420
NZ 507567	A	20030829	NZ 1999-507567	19990420
ZA 2000004445	A	20010828	ZA 2000-4445	20000828
CA 2420164	A1	20020502	CA 2000-2420164	20001020
WO 2002034721	A1	20020502	WO 2000-US28952	20001020
W: AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 2001012168	A5	20020506	AU 2001-12168	20001020
EP 1414804	A1	20040506	EP 2000-973682	20001020
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				

JP 2004524277 T 20040812 JP 2002-537713 20001020
PRIORITY APPLN. INFO.: US 1998-82476P P 19980421
WO 1999-US8616 W 19990420
WO 2000-US28952 W 20001020

OTHER SOURCE(S): MARPAT 131:299444

GI



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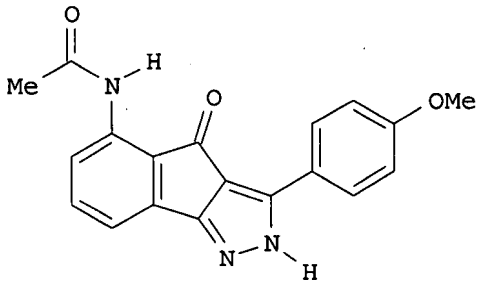


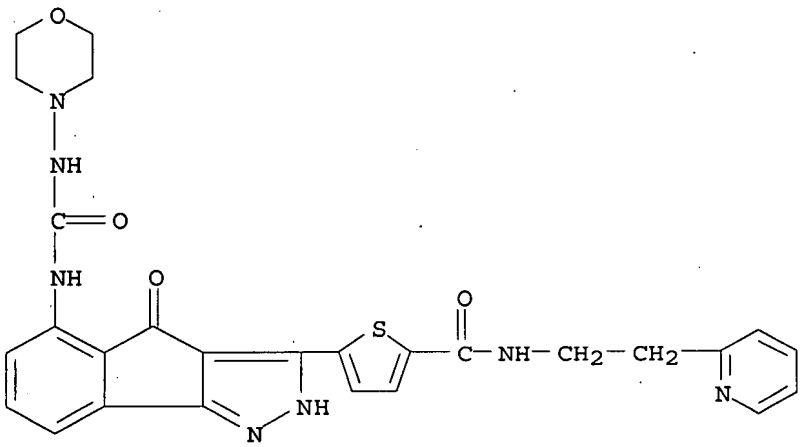
II

AB The title compds. [I; X = O, S, NR (wherein R = H, alkyl, (un)substituted NH2); R1 = H, (un)substituted alkyl, alkenyl, etc.; R2 = H, (un)substituted alkyl, alkenyl, etc.] that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits known as cyclines A-G and therefore are useful in treating cancer or other proliferative diseases (no data), were prepared E.g., a 3-step synthesis of indeno[1,2-c]pyrazol-4-one II, starting with di-Me 3-nitrophthalate, was given. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compds.I and one or more other known anti-cancer or anti-proliferative agents.

IT 247149-81-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-aminoindeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents)

RN 247149-81-1 CAPLUS

CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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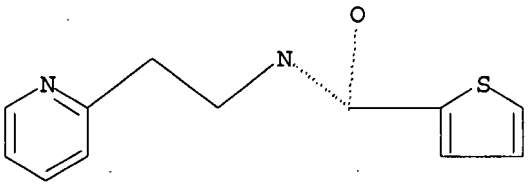
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:40:41 ON 21 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que
L4 STR



Structure attributes must be viewed using STN Express query preparation.
L6 38 SEA FILE=REGISTRY SSS FUL L4
L8 17 SEA L6

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L8 ANSWER 1 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2007:135163 USPATFULL
TITLE: 2-Pyridinylethylcarboxamide derivatives and their use as fungicides
INVENTOR(S): Coqueron, Pierre-Yves, Lyon, FRANCE
Desbordes, Philippe, Lyon, FRANCE
Mansfield, Darren James, Lyon, FRANCE
Rieck, Heiko, Sainte-Foy-les-Lyon, FRANCE
Grosjean-Cournoyer, Marie-Claire, Curis Au Mont d'Or, FRANCE
Villier, Alain, Saint Cyr Au Mont D'Or, FRANCE
Genix, Pierre, Lyon, FRANCE

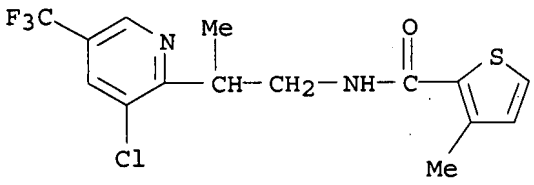
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2007117845	A1	20070524	
APPLICATION INFO.:	US 2004-583011	A1	20041216	(10)
	WO 2004-EP14897		20041216	
			20061006	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-356206	20031219

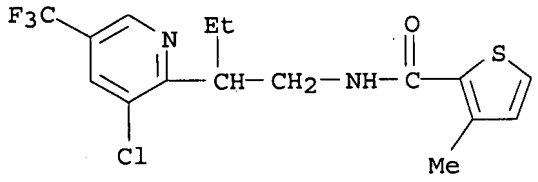
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: OSTROLENK FABER GERB & SOFFEN, 1180 AVENUE OF THE AMERICAS, NEW YORK, NY, 100368403, US
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
LINE COUNT: 1948
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A compound of general formula (I) ##STR1## A process for preparing

this compound. A fungicidal composition comprising a compound of general formula (I). A method for treating plants by applying a compound of general formula (I) or a composition comprising it.

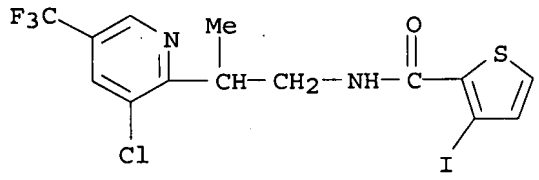
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 856245-00-6P 856245-02-8P 856245-28-8P
856245-33-5P 856245-36-8P 856245-37-9P
(preparation of 2-pyridinylethylcarboxamide derivs. useful as agricultural fungicides)
RN 856245-00-6 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]propyl]-3-methyl- (9CI) (CA INDEX NAME)



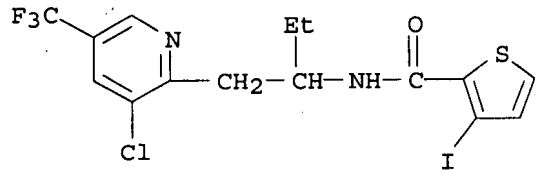
RN 856245-02-8 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]butyl]-3-methyl- (9CI) (CA INDEX NAME)



RN 856245-28-8 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]propyl]-3-iodo- (9CI) (CA INDEX NAME)

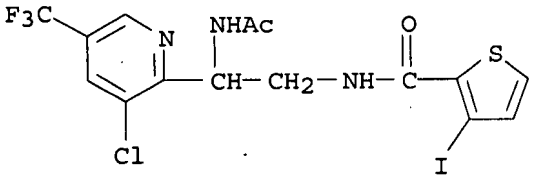


RN 856245-33-5 USPATFULL
CN 2-Thiophenecarboxamide, N-[1-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]propyl]-3-iodo- (9CI) (CA INDEX NAME)

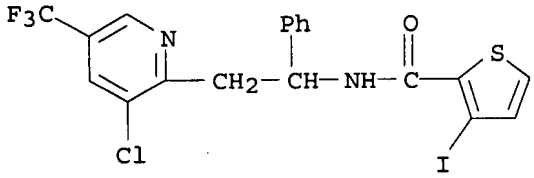


RN 856245-36-8 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-(acetylamino)-2-[3-chloro-5-(trifluoromethyl)-

2-pyridinyl]ethyl]-3-iodo- (9CI) (CA INDEX NAME)



RN 856245-37-9 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]-1-phenylethyl]-3-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2007:49219 USPATFULL
TITLE: Novel high affinity thiophene-based and furan-based kinase ligands
INVENTOR(S): Deng, Yongqi, Newton, MA, UNITED STATES
Zhao, Lianyun, Burlington, MA, UNITED STATES
Shipps, Gerald W. JR., Stoneham, MA, UNITED STATES
Curran, Patrick J., Winthrop, MA, UNITED STATES
Siddiqui, M. Arshad, Newton, MA, UNITED STATES
Zhang, Rumin, Edison, NJ, UNITED STATES
McNemar, Charles W., High Bridge, NJ, UNITED STATES
Mayhood, Todd W., Randolph, NJ, UNITED STATES
Windsor, William T., East Brunswick, NJ, UNITED STATES
Lees, Emma M., Oakland, CA, UNITED STATES
Parry, David A., Mountain View, CA, UNITED STATES
PATENT ASSIGNEE(S): Schering Corporation (U.S. corporation)

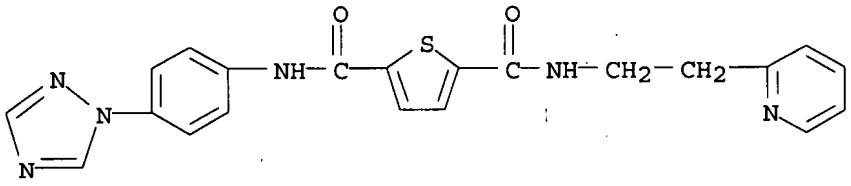
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2007043045	A1	20070222	
APPLICATION INFO.:	US 2006-505263	A1	20060816	(11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2005-709143P	20050817 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: SCHERING-PLOUGH CORPORATION, PATENT DEPARTMENT (K-6-1, 1990), 2000 GALLOPING HILL ROAD, KENILWORTH, NJ, 07033-0530, US
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
LINE COUNT: 2753
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Inhibitors of cyclin dependent kinase 2, compositions including the inhibitors, and methods of using the inhibitors and inhibitor compositions are described. The inhibitors and compositions including them are useful for treating disease or disease symptoms. The invention

also provides for methods of making CDK-2 inhibitor compounds, methods of inhibiting CDK-2, and methods for treating disease or disease symptoms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 927196-55-2P
(drug candidate; preparation of high affinity thiophene-based and furan-based kinase ligands and their use in the treatment of CDK-2 mediated diseases)
RN 927196-55-2 USPATFULL
CN INDEX NAME NOT YET ASSIGNED



L8 ANSWER 3 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2006:61196 USPATFULL
TITLE: Pyridine derivatives as fungicidal compounds
INVENTOR(S): Mansfield, Darren James, Lyon, FRANCE
Rieck, Heiko, Lyon, FRANCE
Greul, Jorg, Leicglingen, GERMANY, FEDERAL REPUBLIC OF
Coqueron, Pierre-Yves, Lyon, FRANCE
Desbordes, Philippe, Lyon, FRANCE
Genix, Pierre, Lyon, FRANCE
Grosjean-Cournoyer, Marie-Claire, Curis au Mont d'Or, FRANCE
Perez, Joseph, Lyon, FRANCE
Villier, Alain, Saint Didier Au Mont d'Or, FRANCE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2006052366	A1	20060309	
APPLICATION INFO.:	US 2004-545364	A1	20040212	(10)
	WO 2004-EP2381		20040212	
			20050920	PCT 371 date

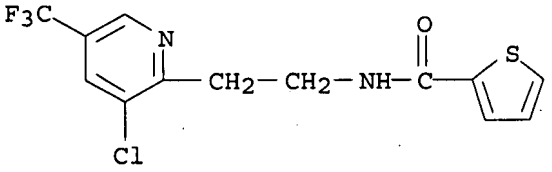
	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-356029	20030219

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: OSTROLENK FABER GERB & SOFFEN, 1180 AVENUE OF THE AMERICAS, NEW YORK, NY, 100368403, US
NUMBER OF CLAIMS: 52
EXEMPLARY CLAIM: 1
LINE COUNT: 1760
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compound of general formula (I): Process for preparing thus compound. Novel intermediate of general formula (E): for the preparation of compound of general formula (I) Fungicidal composition comprising a compound of general formula (I). Method for treating plants by applying a compound of general formula (I) or a composition comprising it. ##STR1##

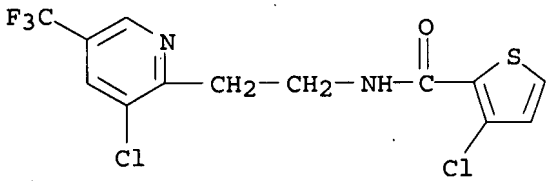
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 743454-66-2P 743454-68-4P 743454-70-8P
743454-72-0P 743454-74-2P 743454-76-4P
743454-78-6P 743454-80-0P 743454-82-2P
743454-83-3P 743454-85-5P 743454-87-7P
(fungicide; preparation of heteroarylcarboxamides as fungicides)

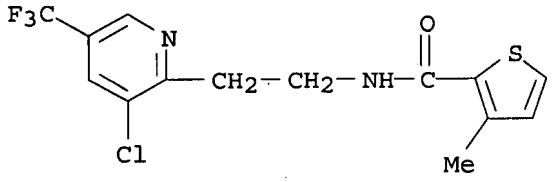
RN 743454-66-2 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



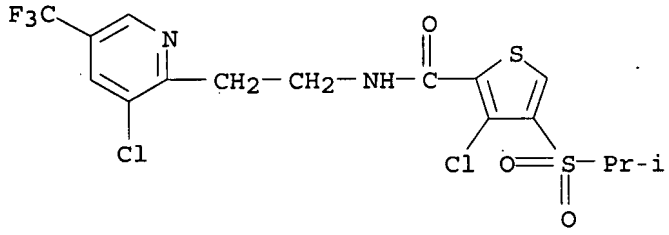
RN 743454-68-4 USPATFULL
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



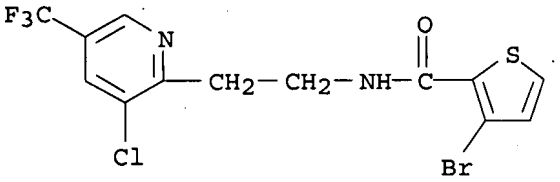
RN 743454-70-8 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-methyl- (9CI) (CA INDEX NAME)



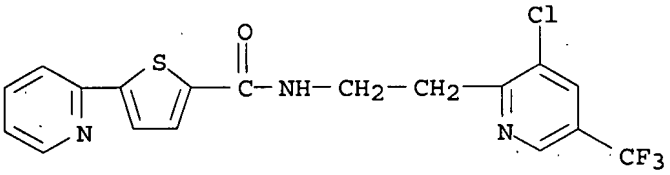
RN 743454-72-0 USPATFULL
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-4-[(1-methylethyl)sulfonyl]- (9CI) (CA INDEX NAME)



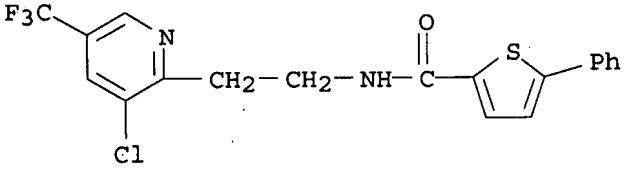
RN 743454-74-2 USPATFULL
CN 2-Thiophenecarboxamide, 3-bromo-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



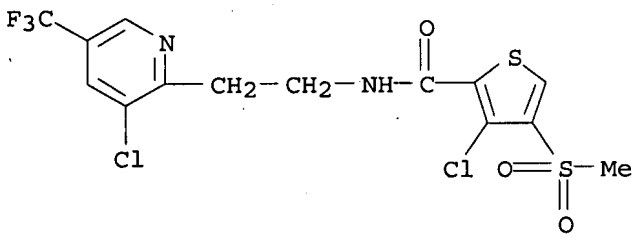
RN 743454-76-4 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-5-(2-pyridinyl)- (9CI) (CA INDEX NAME)



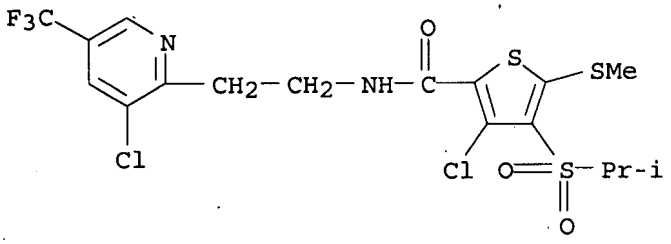
RN 743454-78-6 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-5-phenyl- (9CI) (CA INDEX NAME)



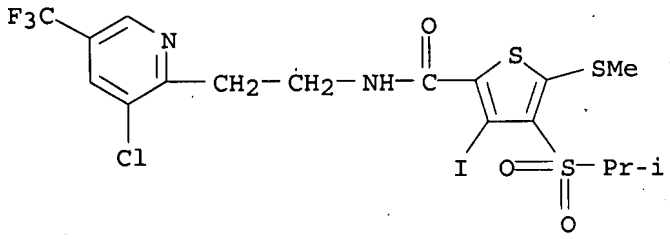
RN 743454-80-0 USPATFULL
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-4-(methylsulfonyl)- (9CI) (CA INDEX NAME)



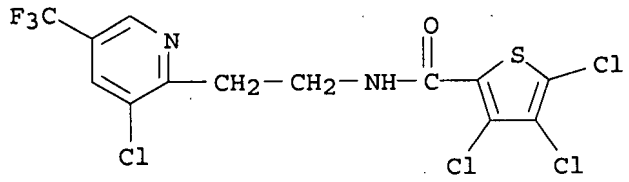
RN 743454-82-2 USPATFULL
CN 2-Thiophenecarboxamide, 3-chloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-4-[(1-methylethyl)sulfonyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



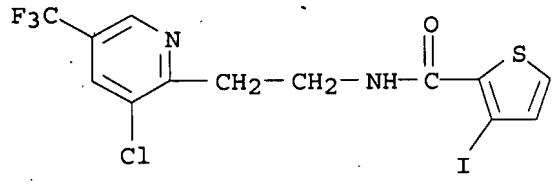
RN 743454-83-3 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-iodo-4-[(1-methylethyl)sulfonyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



RN 743454-85-5 USPATFULL
CN 2-Thiophenecarboxamide, 3,4,5-trichloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 743454-87-7 USPATFULL
CN 2-Thiophenecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-3-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 4 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2005:293572 USPATFULL
TITLE: Substituted 2,5-heterocyclic derivatives
INVENTOR(S): Jefferson, Anne B., Oakland, CA, UNITED STATES
Lin, Xiaodong, Walnut Creek, CA, UNITED STATES
Wang, Xiaojing Michael, Livermore, CA, UNITED STATES
Rico, Alice, Castro Valley, CA, UNITED STATES
Walter, Annette, Mill Valley, CA, UNITED STATES
Zhou, Yasheen, Moraga, CA, UNITED STATES

10/583,011

PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005256121	A1	20051117
APPLICATION INFO.:	US 2005-95993	A1	20050330 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-558342P	20040330 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 30
EXEMPLARY CLAIM: 1
LINE COUNT: 5736
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

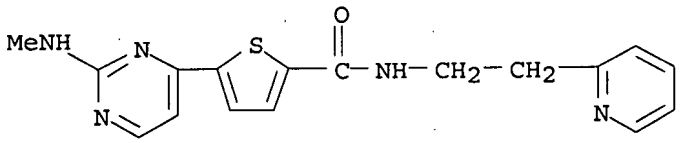
AB The present invention relates to new substituted five-membered compounds and pharmaceutically acceptable salts, esters or prodrugs thereof, compositions of the new compounds together with pharmaceutically acceptable carriers, and uses of the new compounds. The compounds of the invention have the following general formula: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 866522-67-0P, 5-[2-(Methylamino)pyrimidin-4-yl]-N-[2-(pyridin-2-yl)ethyl]thiophene-2-carboxamide
(drug candidate; preparation of substituted thiophene derivs. as PKB/Akt, PKA, and CDC7 inhibitors for treatment of cancer)

RN 866522-67-0 USPATFULL

CN 2-Thiophenecarboxamide, 5-[2-(methylamino)-4-pyrimidinyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 17 USPATFULL on STN

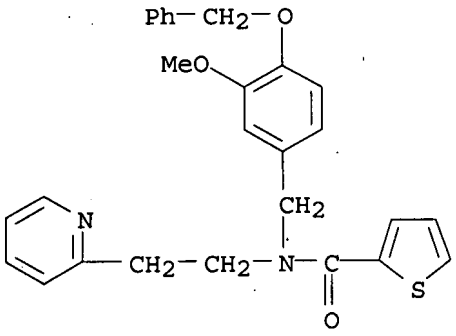
ACCESSION NUMBER: 2005:261987 USPATFULL
TITLE: Novel anticancer compounds
INVENTOR(S): Menon, Sanjay R, Plainsboro, NJ, UNITED STATES
Lu, Yingchun, Kendall Park, NJ, UNITED STATES
Sakamuri, Sukumar, Plainsboro, NJ, UNITED STATES
Chen, Quin-Zene, Belle Mead, NJ, UNITED STATES
Khazak, Vladimir, Brooklyn, NY, UNITED STATES
PATENT ASSIGNEE(S): Morphochem Aktiengesellschaft Fur Kombinatorische Chemie (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005228017	A1	20051013	
APPLICATION INFO.:	US 2003-497449	A1	20021031	(10)
	WO 2002-EP12222		20021031	
			20050330	PCT 371 date

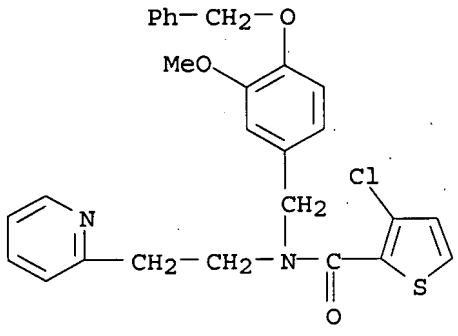
	NUMBER	DATE

PRIORITY INFORMATION: US 2001-335300P 20011031 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PALMER & DODGE, LLP, PAULA CAMPBELL EVANS, 111 HUNTINGTON AVENUE, BOSTON, MA, 02199, US
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 917
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compounds of formula (I): (I) their pharmacologically acceptable salts, or solvates and hydrates, and their prodrugs, respectively, and to pharmaceutical compositions containing the same as active ingredient. These novel compounds are especially useful in the treatment of cancer. ##STR1##

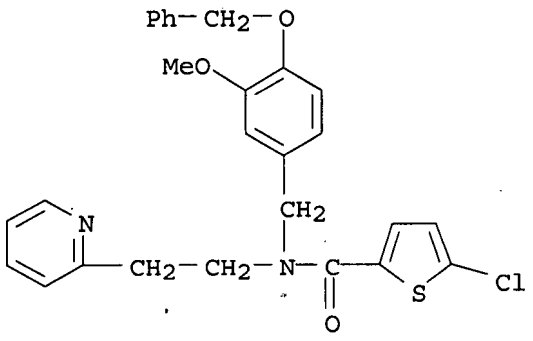
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 521310-87-2 521311-37-5 521311-38-6
521311-69-3 521312-57-2
(preparation of pyridinylethylamines and amides as anticancer drugs)
RN 521310-87-2 USPATFULL
CN 2-Thiophenecarboxamide, N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



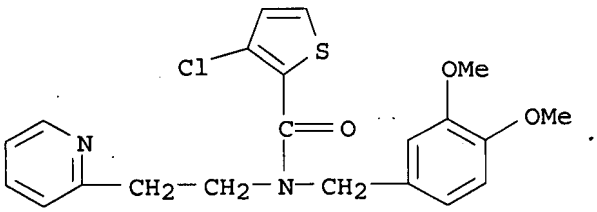
RN 521311-37-5 USPATFULL
CN 2-Thiophenecarboxamide, 3-chloro-N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



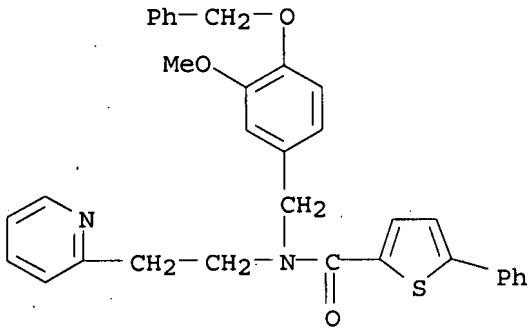
RN 521311-38-6 USPATFULL
CN 2-Thiophenecarboxamide, 5-chloro-N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 521311-69-3 USPATFULL
CN 2-Thiophenecarboxamide, 3-chloro-N-[(3,4-dimethoxyphenyl)methyl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 521312-57-2 USPATFULL
CN 2-Thiophenecarboxamide, N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-5-phenyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2004:274360 USPATFULL
TITLE: Aromatic dicarboxylic acid derivatives
INVENTOR(S): Leser-Reiff, Ulrike, Penzberg, GERMANY, FEDERAL REPUBLIC OF
Sattelkau, Tim, Mannheim, GERMANY, FEDERAL REPUBLIC OF
Zimmermann, Gerd, Linkenheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004214862	A1	20041028
APPLICATION INFO.:	US 2004-847166	A1	20040517 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-167677, filed on 11 Jun		

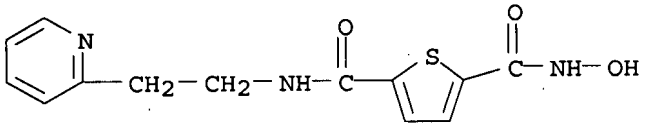
2002, GRANTED, Pat. No. US 6784173

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-114496	20010615

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HOFFMANN-LA ROCHE INC., PATENT LAW DEPARTMENT, 340 KINGSLAND STREET, NUTLEY, NJ, 07110
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 1226
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds of formula I ##STR1##

wherein A, R.sup.1 and R.sup.2 are defined in the specification. These compounds are useful as HDAC inhibitors. Also disclosed are methods of making and using said compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 487003-84-9P
(claimed compound; preparation of thiophenedicarboxamides and related compds.
as histone deacetylase (HDAC) inhibitors)
RN 487003-84-9 USPATFULL
CN 2,5-Thiophenedicarboxamide, N-hydroxy-N'-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2004:64325 USPATFULL
TITLE: Acylsemicarbazides as cyclin dependent kinase inhibitors useful as anti-cancer and anti-proliferative agents
INVENTOR(S): Nugiel, David, Cherry Hill, NJ, UNITED STATES
Carini, David, Wilmington, DE, UNITED STATES
DiMeo, Susan, Wilmington, DE, UNITED STATES
Vidwans, Anup, Avondale, PA, UNITED STATES
Yue, Eddy, Landenberg, PA, UNITED STATES
PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004048844	A1	20040311
APPLICATION INFO.:	US 2003-427540	A1	20030501 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-906963, filed on 16 Jul 2001, GRANTED, Pat. No. US 6593356
Continuation-in-part of Ser. No. US 2000-692023, filed on 19 Oct 2000, GRANTED, Pat. No. US 6291504

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-160713P	19991020 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

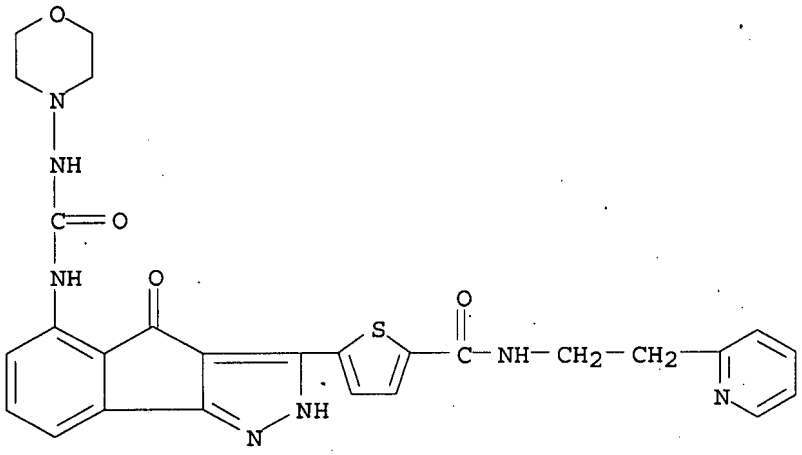
LEGAL REPRESENTATIVE: STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O BOX 4000, PRINCETON, NJ, 08543-4000
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 5037
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula (I): ##STR1##

that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits know as cyclins A-G.

This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compounds or a pharmaceutically acceptable salt form thereof. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 247149-81-1P, 3-[5-[[[2-(2-Pyridyl)ethyl]amino]carbonyl]-2-thienyl]-5-[[(morpholin-4-yl)carbamoyl]amino]indeno[1,2-c]pyrazol-4-one (drug candidate; preparation of indenopyrazolones as anti-cancer and anti-proliferative agents)
RN 247149-81-1 USPATFULL
CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 8 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2003:277172 USPATFULL
TITLE: Pancreatic lipase inhibitor compounds, their synthesis and use
INVENTOR(S): Witter, David, Putnam Valley, NY, UNITED STATES
Castelhano, Arlindo, New City, NY, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003195199	A1	20031016	
	US 7064122	B2	20060620	
APPLICATION INFO.:	US 2002-326302	A1	20021220	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-342617P	20011220 (60)
	US 2002-357015P	20020213 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY, 10036	
NUMBER OF CLAIMS:	30	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4418	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention features compounds having the structure: ##STR1##

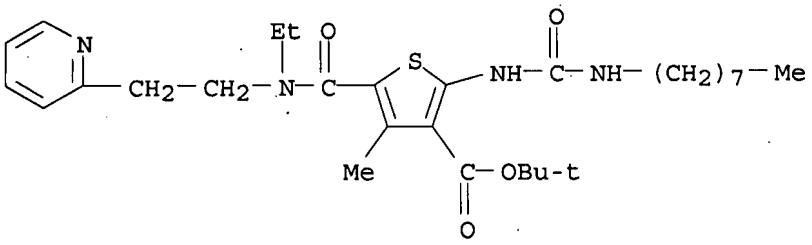
wherein X is O, S, CH.sub.2 or NR.sub.5; Y is O or S; R.sub.1 is H, substituted or unsubstituted C.sub.1-C.sub.15 alkyl, C.sub.1-C.sub.8 alkylaryl, --C(O)OR.sub.4, --C(O)NR.sub.4R.sub.5, --CR.sub.6R.sub.6'OR.sub.4, --CR.sub.6R.sub.6'OC(O)R.sub.4, --CR.sub.6R.sub.6'OC(O)NHR.sub.7, --C(O)NR.sub.10R.sub.11, --C(O)NR.sub.8R.sub.9 NR.sub.8R.sub.9, --N(R.sub.5)C(O)NHR.sub.5, or CH.sub.2R.sub.4; R.sub.2 is a substituted or unsubstituted, straight chain C.sub.1--C.sub.30 alkyl or branched C.sub.3-C.sub.30 alkyl, aryl, alkylaryl, arylalkyl, heteroarylalkyl or cycloalkyl; R.sub.3 is H or substituted or unsubstituted C.sub.1-C.sub.6 alkyl or C.sub.3-C.sub.10 cycloalkyl; R.sub.4 is H or a substituted or unsubstituted, straight chain or branched, C.sub.6-C.sub.30 alkyl, aryl, --CH.sub.2-aryl, aryl --C.sub.1-C.sub.15 alkyl, heteroaryl-C.sub.1-C.sub.15alkyl or C.sub.3-C.sub.10 cycloalkyl; R.sub.5 is H or a substituted or unsubstituted, straight chain or branched, C.sub.6-C.sub.30 alkyl, aryl C.sub.1-C.sub.30alkyl, heteroarylalkyl or cycloalkyl; R.sub.6 and R.sub.6' are each independently H, substituted or unsubstituted C.sub.1-C.sub.6 alkyl, dialkyl or C.sub.3-C.sub.10 cycloalkyl or together form a 3-7 membered ring system; R.sub.7 is H or substituted or unsubstituted C.sub.1-C.sub.12 alkyl or C.sub.3-C.sub.10 cycloalkyl; R.sub.8 and R.sub.9 are each independently H, substituted or unsubstituted C.sub.1-C.sub.6 alkyl, C.sub.1-C.sub.6 alkoxy, C.sub.1-C.sub.6 alkylaryl, or NR.sub.8R.sub.9 together form a substituted piperazine or piperidine ring or a dihydro-1H-isoquinoline ring system, or a specific enantiomer thereof, or a specific tautomer, or a pharmaceutically acceptable salt thereof and a method for treating diabetes or obesity by administering a therapeutically effective amount of the compounds of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

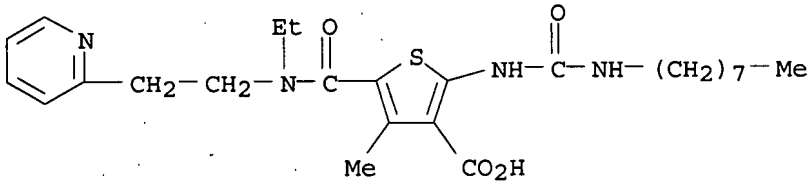
IT 554442-76-1P 554443-56-0P
(intermediate; preparation of thienooxazine derivs. as pancreatic lipase inhibitors for treatment of obesity or diabetes)

RN 554442-76-1 USPATFULL

CN 3-Thiophenecarboxylic acid, 5-[[ethyl[2-(2-pyridinyl)ethyl]amino]carbonyl]-4-methyl-2-[[(octylamino)carbonyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 554443-56-0 USPATFULL
CN 3-Thiophenecarboxylic acid, 5-[[ethyl[2-(2-pyridinyl)ethyl]amino]carbonyl]-4-methyl-2-[[(octylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



L8 ANSWER 9 OF 17 USPATFULL on STN

ACCESSION NUMBER: 2003:106774 USPATFULL

TITLE: Acylsemicarbazides as cyclin dependent kinase inhibitors useful as anti-cancer and anti-proliferative agents

INVENTOR(S): Nugiel, David, Cherry Hill, NJ, UNITED STATES
Carini, David, Wilmington, DE, UNITED STATES
DiMeo, Susan, Wilmington, DE, UNITED STATES
Vidwans, Anup, Avondale, PA, UNITED STATES
Yue, Eddy, Landenberg, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003073686	A1	20030417
	US 6593356	B2	20030715
APPLICATION INFO.:	US 2001-906963	A1	20010716 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-692023, filed on 19 Oct 2000, GRANTED, Pat. No. US 6291504

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-160713P	19991020 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: BRISTOL-MYERS SQUIBB PHARMA COMPANY, PATENT DEPARTMENT, P.O. BOX 4000, PRINCETON, NJ, 08543-4000

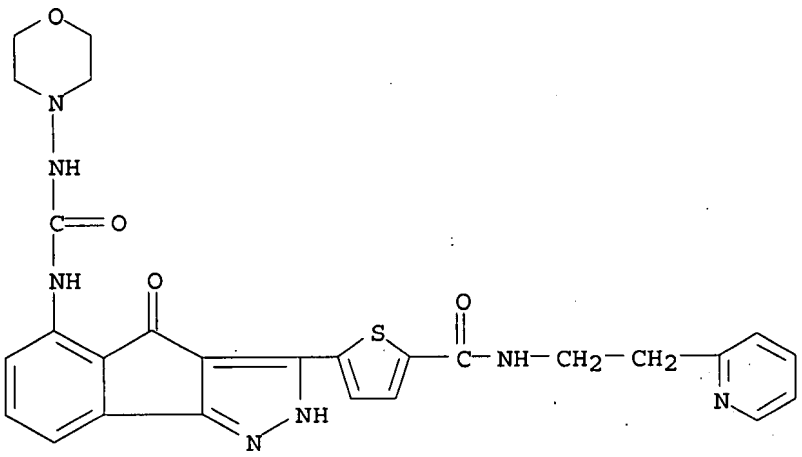
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 4725
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula (I): ##STR1##

that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits know as cyclins A-G.

This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compounds or a pharmaceutically acceptable salt form thereof. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 247149-81-1P
(preparation of 5-substituted indeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents)
RN 247149-81-1 USPATFULL
CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 10 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2003:18003 USPATFULL
TITLE: Aromatic dicarboxylic acid derivatives
INVENTOR(S): Leser-Reiff, Ulrike, Penzberg, GERMANY, FEDERAL REPUBLIC OF
Sattelkau, Tim, Mannheim, GERMANY, FEDERAL REPUBLIC OF
Zimmermann, Gerd, Linkenheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003013757	A1	20030116	
	US 6784173	B2	20040831	
APPLICATION INFO.:	US 2002-167677	A1	20020611	(10)

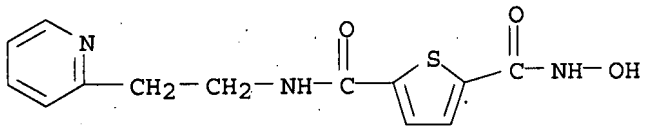
	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-114496	20010615

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HOFFMANN-LA ROCHE INC., PATENT LAW DEPARTMENT, 340 KINGSLAND STREET, NUTLEY, NJ, 07110
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
LINE COUNT: 1509

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds of formula I ##STR1##

wherein A, R.sup.1 and R.sup.2 are defined in the specification. These compounds are useful as HDAC inhibitors. Also disclosed are methods of making and using said compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 487003-84-9P
(claimed compound; preparation of thiophenedicarboxamides and related compds.
as histone deacetylase (HDAC) inhibitors)
RN 487003-84-9 USPATFULL
CN 2,5-Thiophenedicarboxamide, N-hydroxy-N'-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 11 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2002:160719 USPATFULL
TITLE: Methods of inhibiting cell proliferation using indeno [1,2-c]pyrazol-4-ones
INVENTOR(S): Nugiel, David A., Cherry Hill, NJ, United States
Carini, David J., Willmington, DE, United States
Di Meo, Susan V., Willmington, DE, United States
Yue, Eddy W., Landenberg, PA, United States
PATENT ASSIGNEE(S): Bristol-Myers Suibb Pharma Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6413957	B1	20020702
APPLICATION INFO.:	US 2000-639618		20000815 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-295078, filed on 20 Apr 1999, now abandoned		

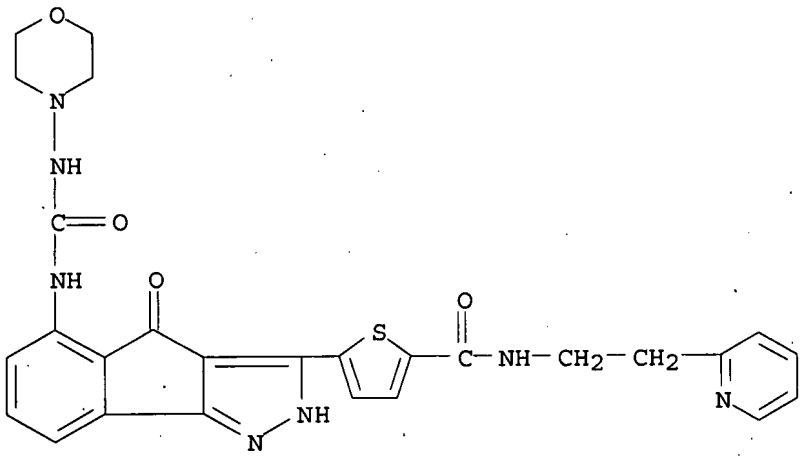
	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-82476P	19980421 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Ramsuer, Robert W.
LEGAL REPRESENTATIVE: Patel, Rena
NUMBER OF CLAIMS: 1
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 3911
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula (I): ##STR1##

that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-7 and their regulatory subunits know as cyclins A-G. This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of

these compounds or a pharmaceutically acceptable salt form thereof. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 247149-81-1P
(preparation of 5-aminoindeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents)
RN 247149-81-1 USPATFULL
CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 12 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2001:171145 USPATFULL
TITLE: Indeno [1,2-c]pyrazol-4-ones and their uses
INVENTOR(S): Nugiel, David A., Cherry Hill, NJ, United States
Carini, David J., Wilmington, DE, United States
DiMeo, Susan V., Wilmington, DE, United States
Yue, Eddy W., Landenberg, PA, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001027195	A1	20011004
	US 6407103	B2	20020618
APPLICATION INFO.:	US 2000-731304	A1	20001206 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-639618, filed on 15 Aug 2000, PENDING Continuation of Ser. No. US 1999-295078, filed on 20 Apr 1999, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-82476P	19980421 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Dupont Pharmaceuticals Company, Legal Department - Patents, 1007 Market Street, Wilmington, DE, 19898
NUMBER OF CLAIMS: 58
EXEMPLARY CLAIM: 1
LINE COUNT: 7875
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

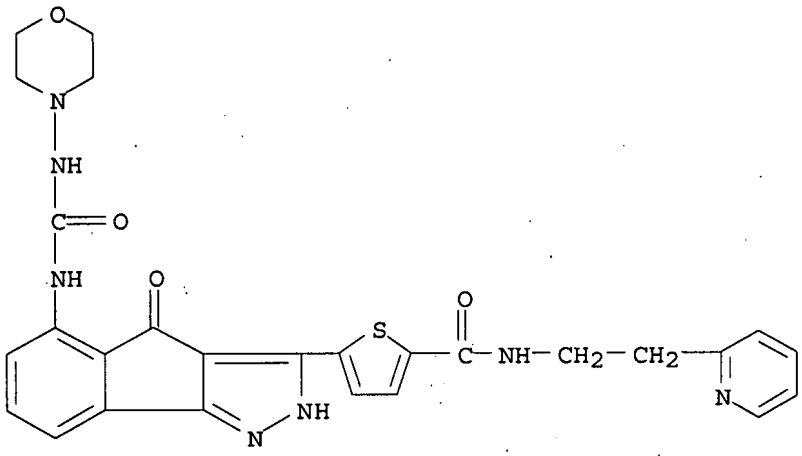
10/583,011

AB The present invention relates to the synthesis of a new class of indeno[1,2-c]pyrazol-4-ones of formula (I): ##STR1##

that are potent inhibitors of the class of enzymes known as cyclin dependent kinases, which relate to the catalytic subunits cdk1-9 and their regulatory subunits know as cyclins A-H.

This invention also provides a novel method of treating cancer or other proliferative diseases by administering a therapeutically effective amount of one of these compounds or a pharmaceutically acceptable salt form thereof. Alternatively, one can treat cancer or other proliferative diseases by administering a therapeutically effective combination of one of the compounds of the present invention and one or more other known anti-cancer or anti-proliferative agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 247149-81-1P
(preparation of indeno[c]pyrazolones as inhibitors of cyclin dependent kinases)
RN 247149-81-1 USPATFULL
CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 13 OF 17 USPATFULL on STN

ACCESSION NUMBER:	2000:132664 USPATFULL
TITLE:	Enhanced humidity control for small modules
INVENTOR(S):	Moss, John Seaborn, Ottawa, Canada Watkins, John, Ottawa, Canada Tencer, Michal Stefan, Nepean, Canada Hughes, Richard Pierre, Kanata, Canada
PATENT ASSIGNEE(S):	Nortel Networks Corporation, Montreal, Canada (non-U.S. corporation)

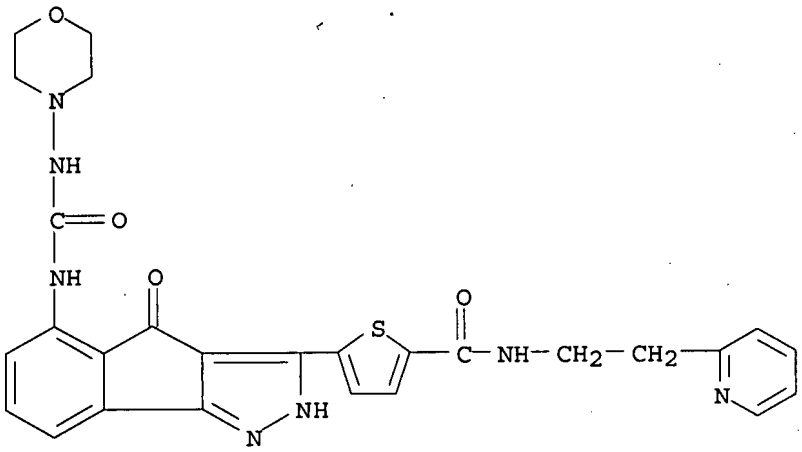
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6128193		20001003	
APPLICATION INFO.:	US 1998-82476		19980521	(9)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Gaffin, Jeffrey			
ASSISTANT EXAMINER:	Vigushin, John B.			
NUMBER OF CLAIMS:	22			

10/583,011

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 694
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to two modules containing electronic equipment, one relatively small, and one relatively large, that will be physically connected and used for extended operation in an environment where the ambient atmosphere contains moisture filled air or some other specified environmental contaminant. An absorber such as desiccant of a prescribed amount is contained within at least the relatively large module to control the absolute humidity and/or environmental contaminants within each module during extended operation in the ambient environment. Permeable wall portions are placed in the region between the relatively small module and the relative large module to allow for moisture and/or other specified environmental contaminants to pass from the relatively small module to the relatively large module. As such, the lifespan of the small module can be extended.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 247149-81-1P
(preparation of 5-aminoindeno[1,2-c]pyrazol-4-ones as anti-cancer and anti-proliferative agents)
RN 247149-81-1 USPATFULL
CN 2-Thiophenecarboxamide, 5-[2,4-dihydro-5-[[(4-morpholinylamino)carbonyl]amino]-4-oxoindeno[1,2-c]pyrazol-3-yl]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 14 OF 17 USPAT2 on STN
ACCESSION NUMBER: 2003:277172 USPAT2
TITLE: Pancreatic lipase inhibitor compounds, their synthesis and use
INVENTOR(S): Witter, David, Putnam Valley, NY, UNITED STATES
Castelhano, Arlindo, New City, NY, UNITED STATES
PATENT ASSIGNEE(S): OSI Pharmaceuticals, Inc., Melville, NY, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 7064122	B2	20060620	
APPLICATION INFO.:	US 2002-326302		20021220	(10)

	NUMBER	DATE

10/583,011

PRIORITY INFORMATION: US 2001-342617P 20011220 (60)
US 2002-357015P 20020213 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Berch, Mark L.
ASSISTANT EXAMINER: Habte, Kahsay
LEGAL REPRESENTATIVE: White, Esq., John P., Cooper & Dunham LLP
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 4119
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The subject invention features compounds having the structure: ##STR1## wherein X is O, S, CH.sub.2 or NR.sub.5; Y is O or S; R.sub.1 is H, substituted or unsubstituted C.sub.1-C.sub.15 alkyl, C.sub.1-C.sub.8 alkylaryl, --C(O)OR.sub.4, --C(O)NR.sub.4R.sub.5, --CR.sub.6R.sub.6'OR.sub.4, --CR.sub.6R.sub.6'OC(O)R.sub.4, --CR.sub.6R.sub.6'OC(O)NHR.sub.7, --C(O)NR.sub.10R.sub.11, --C(O)NR.sub.8R.sub.9NR.sub.8R.sub.9, --N(R.sub.5)C(O)NHR.sub.5, or CH.sub.2R.sub.4; R.sub.2 is a substituted or unsubstituted, straight chain C.sub.1--C.sub.30 alkyl or branched C.sub.3-C.sub.30 alkyl, aryl, alkylaryl, arylalkyl, heteroarylalkyl or cycloalkyl; R.sub.3 is H or substituted or unsubstituted C.sub.1-C.sub.6 alkyl or C.sub.3-C.sub.10 cycloalkyl; R.sub.4 is H or a substituted or unsubstituted, straight chain or branched, C.sub.6-C.sub.30 alkyl, aryl, --CH.sub.2-aryl, aryl --C.sub.1-C.sub.15 alkyl, heteroaryl-C.sub.1-C.sub.15alkyl or C.sub.3-C.sub.10 cycloalkyl; R.sub.5 is H or a substituted or unsubstituted, straight chain or branched, C.sub.6-C.sub.30 alkyl, aryl C.sub.1-C.sub.30alkyl, heteroarylalkyl or cycloalkyl; R.sub.6 and R.sub.6' are each independently H, substituted or unsubstituted C.sub.1-C.sub.6 alkyl, dialkyl or C.sub.3-C.sub.10 cycloalkyl or together form a 3-7 membered ring system; R.sub.7 is H or substituted or unsubstituted C.sub.1-C.sub.12 alkyl or C.sub.3-C.sub.10 cycloalkyl; R.sub.8 and R.sub.9 are each independently H, substituted or unsubstituted C.sub.1-C.sub.6 alkyl, C.sub.1-C.sub.6 alkoxy, C.sub.1-C.sub.6 alkylaryl, or NR.sub.8R.sub.9 together form a substituted piperazine or piperidine ring or a dihydro-1H-isoquinoline ring system, or a specific enantiomer thereof, or a specific tautomer, or a pharmaceutically acceptable salt thereof and a method for treating diabetes or obesity by administering a therapeutically effective amount of the compounds of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 554442-76-1P 554443-56-0P
(intermediate; preparation of thienooxazine derivs. as pancreatic lipase inhibitors for treatment of obesity or diabetes)
RN 554442-76-1 USPAT2
CN 3-Thiophenecarboxylic acid, 5-[[ethyl[2-(2-pyridinyl)ethyl]amino]carbonyl]-4-methyl-2-[[(octylamino)carbonyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)